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62 91 Wall St. Janey &

TREES, PLANTS, BULBS GARDEN, FLORAL ^{and} GRASS SEEDS



AABLING-EBRIGHT
SEED CO.

89 PIKE STREET
SEATTLE

Introduction

In presenting this catalogue to our patrons we wish to say that every care has been taken to offer only such varieties of seeds, bulbs and plants as have established merits and are sure to give satisfaction.

Our increase in business depends entirely on the quality of the seeds and goods we sell, and the service we give, therefore we cannot afford to send you anything but the very best and we assure you that if you entrust us with your order we will send you seeds of the highest quality, that have been tested by us and proven to be the best.

It takes years of study and practical knowledge to become a good seedsman, and having spent 22 years in the seed and horticulture business here in Seattle, we feel that we have the ability to serve you well.

You may receive more elaborate seed catalogues than ours quoting higher prices, but better seeds cannot be given than those we offer you at fair prices, and we ask a trial order.

We have now established one of the finest seed stores on the Coast, at 85-87-89 Pike Street, entrance to Old Public Market, where we have a salesroom of 7,000 square feet, and everything in shape to keep absolute control of our seeds as to purity, germination, etc., and we shall put all our energy and long experience in making this store reliable, where you can depend on getting the best at a reasonable price. We are in close connection with all the leading growers of France, Germany, Denmark and England, and we shall from time to time import the newer varieties of garden and field seeds that have been tried and proved a success in Europe.

However, owing to the various conditions of climate, soil and cultivation attending success, We Give No Warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out and will not be responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

ORDER EARLY. It will greatly facilitate shipments if orders are sent in early. We aim to send off all orders the same or next day after receipt, but during the rush season this is almost impossible; hence the advisability of ordering early.

PRICES: We deliver to any Post Office in the United States, postage prepaid, all vegetable and flower seeds ordered by the packet, ounce or $\frac{1}{4}$ lb. at the respective catalog prices, except where otherwise stated. All other orders will be shipped by freight or express as appears most advantageous.

SPECIAL NOTICE TO OUR CUSTOMERS. Express Companies have a special rate or discount on Seeds, Plants, Bulbs and Small Fruits, which is 20% less than Merchandise rates. See that your Agent allows you this discount.

Send Money by Post Office order, Express Money order, Bank Draft or Registered Letter. Stamps for small amounts will be accepted.

Make this store your home when in Seattle. Being close to the business center, only one block west of the Bon Marche on Pike St., it will be handy.

Yours Respectfully,

MABLING-EBRIGHT SEED CO.

85-87-89 Pike St., Seattle, Wash.

From Government Report

Read Carefully what the United States Department of Agriculture says in Circular No. 101, issued September 16th, 1912. Every planter of seeds should send for a copy. It shows the superior quality of seeds purchased from Mail Order or Catalog Seed House, compared with seeds purchased from Box Seeds usually sold through stores.

Test by the Government in four years showed average germination for Box Seeds 60.5 per cent; average germination of seeds from Mail Order Houses or Catalogue Houses, 77.5 per cent, thus showing 17 per cent in favor of seeds from Mail Order Houses. It will be noted on page 4 of same circular that the average germination of the seeds purchased from all but 3 of the Mail Order Houses was higher than the highest average for any of 11 firms putting up Box Seeds.

It takes the same work preparing your ground, the same work in planting and taking care of same, so the 17 per cent is clear profit to you if you order your seed from a good Catalogue House.

You will not regret if you send in your order to us; no difference how small or large, it will be filled prompt, accurate and with the best seeds that can be produced.

Seeds are not rated as Parcel Post matter, but have a special rate of 8c per pound, regardless of distance. We prepay postage on packages—ounces and quarter pounds.

SPECIAL OFFER

OUR POTLATCH PACKET —OR— BIG DINNER FAMILY GARDEN *For 50 Cents*

Consists of fifteen packets containing a complete vegetable garden.

Selected with the view of furnishing a garden that every-
body wants, and of the choicest varieties • •

BEETS

CABBAGE

CARROTS

CAULIFLOWER

CELERY

CUCUMBER

LETTUCE

ONIONS

PARSLEY

PARSNIPS

PUMPKIN

RADISH

SQUASH

TOMATO

TURNIPS

AND ONE PACKAGE WILD FLOWER GARDEN

Consist of 20 Varieties of Choice Flower Seed

With our experience as a guide, this collection will no doubt
please you better than any you would
select yourself



50 Cents Worth Extra in Packets for Every Dollar remitted for Packets and Ounces only

We wish to call the attention of our customers to the fact that this discount does not apply to quarter pounds, or special offers, nor does it apply to plants, bulbs, small fruits or trees. On completion of your order add the total amount sent for seeds by the packet and ounce, and for each one dollar remitted for seeds in these quantities, you may select your own premium on the basis of 50 cents worth of packets extra for each dollar remitted.

SPECIAL—Your premium of 50 cents extra on each dollar remitted for packets and ounces must be selected IN PACKETS ONLY.

1913 Specials



JAPAN IMPERIAL ASTER

Many of the Asters grow as large as a good size chrysanthemum; long stem and free bloomer; extra fine. Colors in white, pink, lilac and blue. Pkg., 25c; oz., \$1.50.

GIANT-FLOWERED GLADIOLUS, "PRINCEPS"

This magnificent new hybrid is an unusually healthy robust variety, producing spikes often 3 feet long, carrying from 18 to 22 broad, round-petaled immense flowers, about 6 inches across, of perfect and open form and waxy substance. The coloring is glowing scarlet-crimson, enlivened below the throat by a large-feathered white blotch sprinkled with scarlet. The spikes continue to lengthen and produce bloom for several weeks; often four of these glorious flowers are expanded at one time, and on account of the vigor of the plant, the tip buds develop almost as large and perfect flowers as those at the base, and frequently side growth and spikes are produced, thus lengthening the flowering period. Price, each, 15c; doz., \$1.75.

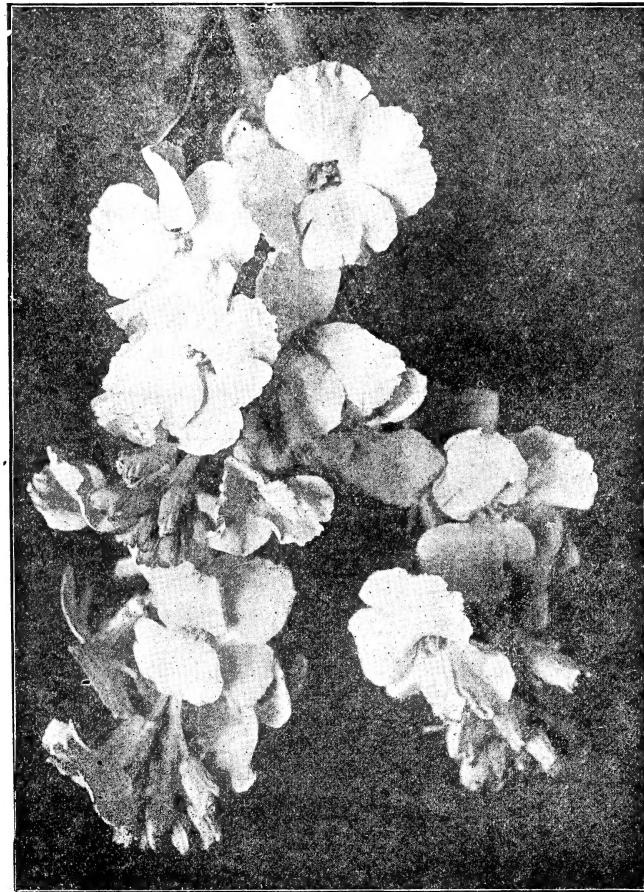
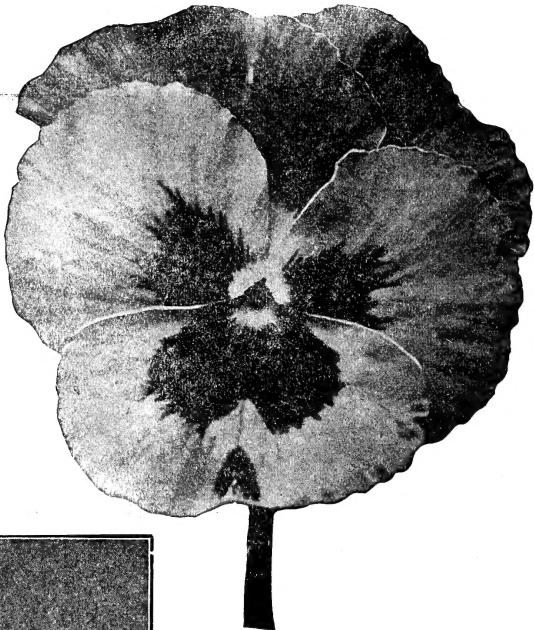


1913 Special

New and Rare Flower Seeds

PANSY

Parisian Tremardeau. A Pansy that grows bigger than an American dollar in size, and in the most beautiful colors. Nothing gives more pleasure than a bed of Pansies. Pkg., 25c.



Wallflower. Cloth of Gold.

Dippes.

New. German stock. Very large free bloomer. A beautiful soft pink; long stem; very early. Fine for cut flowers. Pkg., 25c.

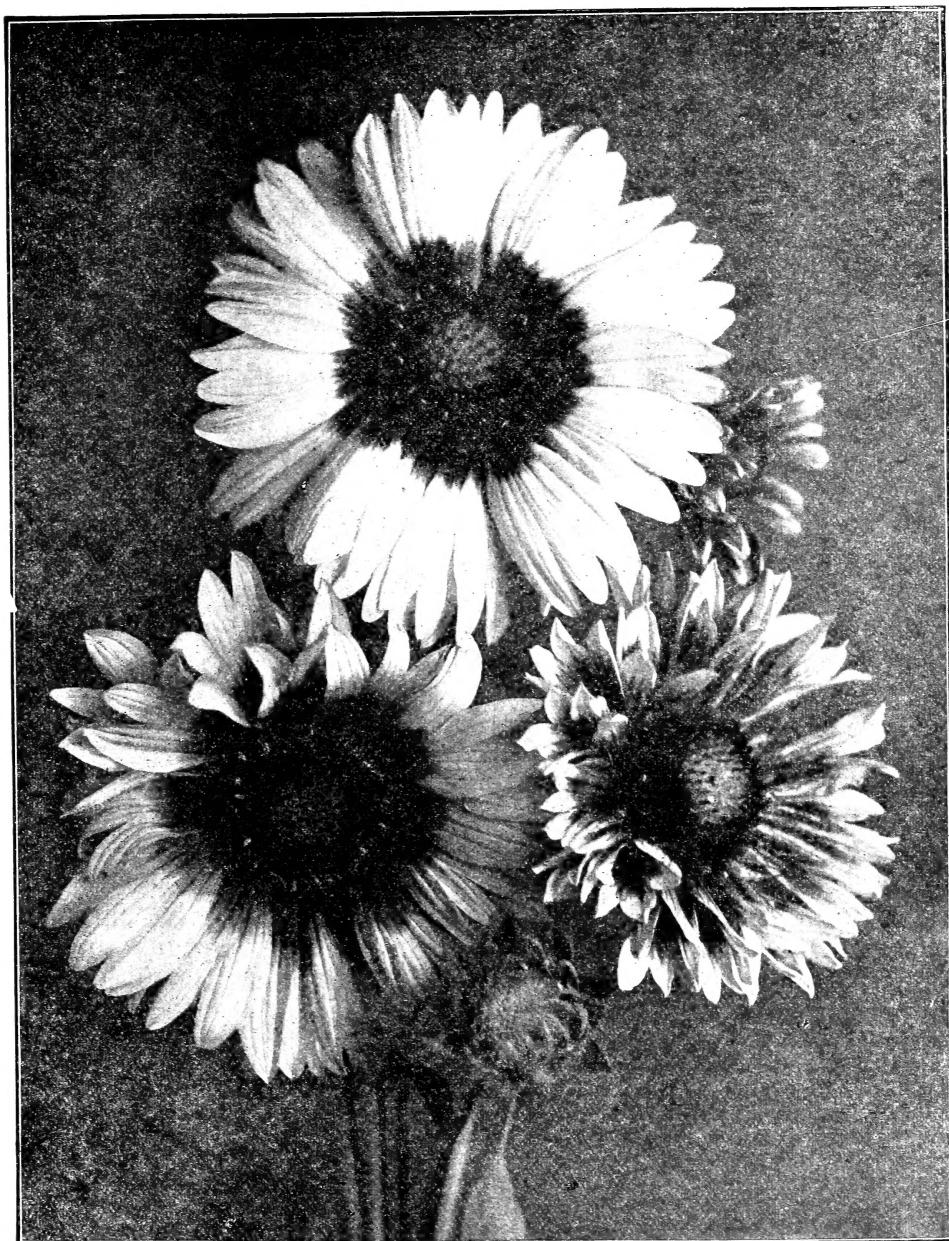
WALLFLOWER

Cloth of Gold. — Golden yellow, brilliant color, splendid bloomer and very early.

Pkg., 25c.

One pkg. each of the five new flower seeds, \$1.00 postpaid.

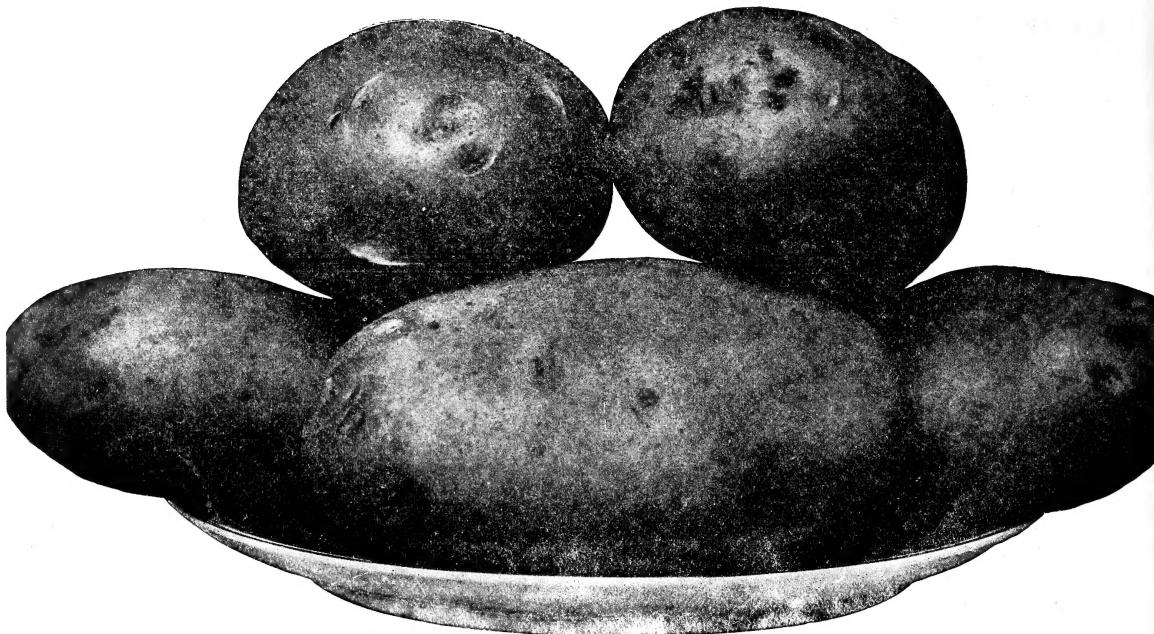
1913 Special in New and Rare Flower Seeds



GAILARDIA KELWAYS

Exhibition Strain. A grand new improved strain, enormous flowers and very stout habit. Many medals and certificates have been awarded by the Royal English Horticultural and other Societies. Pkg., 25c.

1913 Potato Specials



Sensation Potato

This Potato was originated in Scotland and the first pound came to Puget Sound three years ago, for which was then paid \$2.50 per lb. We have tested and tried it and found it to be a *truly sensation*, both for cooking and baking. Is very early and the most mealy Potato we ever tried. The man that gets the start on this variety will reap the harvest. Supply limited. Lb., 25c; *post-paid*; 10 lbs. for \$2.00; *post-paid*; 100 lbs. \$4.00, by freight.

Duke of York Potato

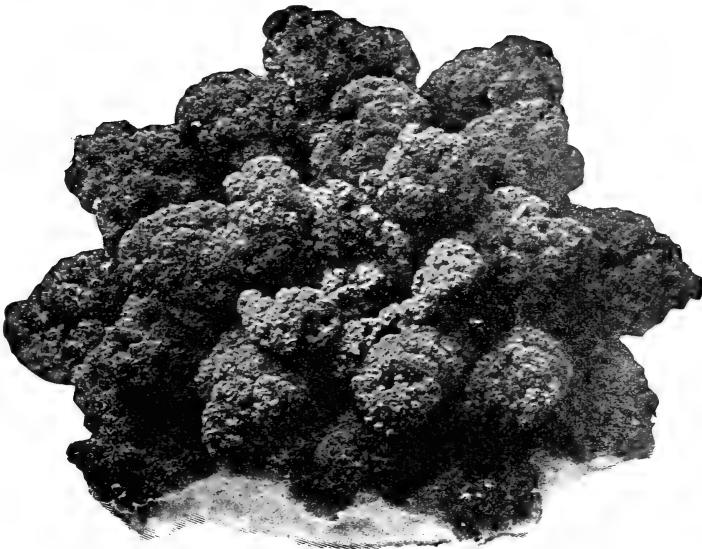
This new late Potato has a beautiful shape, is pure white and a very heavy yielder and grows very uniform; a splendid keeper; will keep up to late spring and be as solid and fine as at digging time. This is without doubt going to be the most favorable and profitable late Potato grown. Lb., 40c; 3 lbs. for \$1.00; *post-paid*; only 3 lbs. to a customer (as long as they last).

Our 1913 Specialty

OF NEW AND CHOICE VARIETIES OF VEGETABLES AND SEEDS. DON'T FAIL TO TRY A FEW IF ONLY A PACKAGE OF EACH

KALE

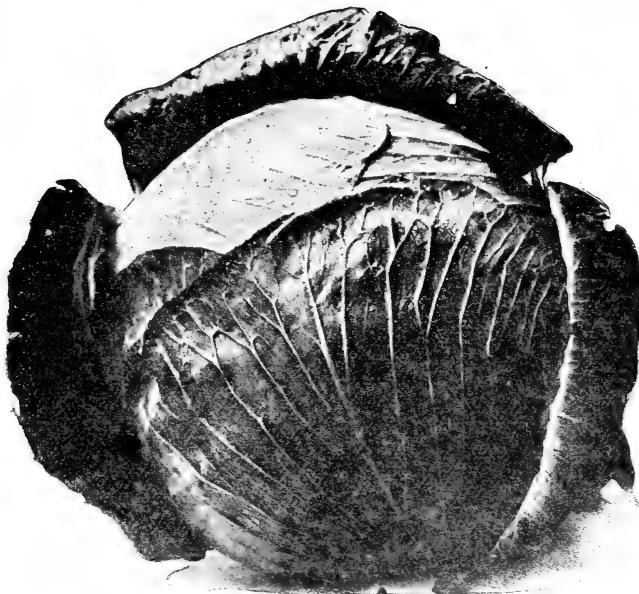
Kelways Champion.
Leaves very large, deeply curled and fringed; very tender. Kale is a very healthy vegetable and everybody should have a supply for winter use. Sold only in pkg., 25c.



Kelway's Champion Kale.

BRUSSELS SPROUTS

Prolific; a very superior sprout which can always be relied upon; very fine, even shaped, of good size; very tender. Is there another dish as delicious as a well prepared dish of Brussel Sprouts? Sold only in pkg., 25c.



Flower of Puget Sound.

CABBAGE

Flower of Puget Sound. The best in quality of all early Cabbage; medium size, very firm at the heart with few outer leaves; dark green with small, white veins. Pkg., 15c; $\frac{1}{2}$ oz., 25c.

Vegetable Seeds



HERB SEEDS

POT, SWEET AND MEDICINAL

Herbs in general delight in rich, mellow soil. Those marked with a (*) are perennial, and when once obtained in the garden may, with a little attention, be preserved for years. Sow the seeds early in the spring in shallow drills, one foot apart. We offer some of the most useful and popular. They should be cut on a dry day, just before they come into full bloom and tied in bunches and hung up or spread thinly on a floor where they can dry quickly. Prices include postage.

All the following herbs, 5c per packet.

	Oz.	1/4 lb.
Anise. Seeds aromatic.....	\$0.10	\$0.25
*Balm. For culinary purposes.....	.25	.65
Basil. Sweet.....	.15	.45
Borage. Leaves for flavoring.....	.15	.40
Caraway. For flavoring.....	.10	.25
Catnip. (Cat Mint).....	.40	1.00
Coriander. (Aromatic).....	.15	.25
Dill. Used medicinally.....	.10	.25
*Fennel. (Sweet).....	.10	.25
Fenugreek. For flavoring.....	.10	
*Horehound. Bitter, for tonic.....	.20	
Hyssop. Medicinal qualities.....	.25	.75
*Lavender. For fragrance.....	.15	.50
Marjoram. Sweet.....	.15	.50
*Rosemary. Aromatic oil.....	.35	
*Rue. Medicinal qualities.....	.15	.50
Sage. Much used.....	.15	.45

Saffron .....	.20
Sorrel. Used in salads.....	.15
Summer Savory.....	.10
Tansy. Used in bitters.....	.30
Thyme. (Broad leaved).....	.25
*Wormwood. Medicinal use.....	.20

ASPARAGUS

Sow one ounce or 60 feet of drill, in rows 1 foot apart. When two years old transplant into permanent beds, which should be well and deeply manured, and trenched to the depth of 2 feet. Set the plants (in rows) from 3 to 4 feet apart, and 2 feet in the rows, spreading out the roots, and covering from 6 to 8 inches. On the approach of winter cover with manure or compost; fork the beds early in the spring, and apply a dressing of salt. Cut for use the second year after planting in permanent bed.

Palmetto. Very large size, regular in growth, very early and immensely productive. Pkt., 5c; oz., 10c; 1/4 lb., 25c.

Columbian White. Producing large white shoots of superior quality. Pkt., 5c; oz., 10c; 1/4 lb., 25c.

Conover's Colossal. The standard variety; is very tender. Pkt., 5c; oz., 10c; 1/4 lb., 20c.

ARTICHOKE

Sow the seed early in May and transplant into rows 3 feet apart in deep rich soil. Protect during winter.

French Green Globe. Pkt., 5c; oz., 35c; 1/4 lb., \$1.00; lb., \$3.50.

BEANS

Beans require a light friable soil, with plenty of moisture, and they are very sensitive to frost. They should not be sown earlier than April. In the garden the soil should be made mellow and rich, and all pole varieties should be provided with poles or a trellis on which to climb. For a garden crop plant string beans in a succession every four weeks throughout the season. Sow in rows 18 inches to 24 inches apart and cover from one to two inches deep but not more. Keep the pods picked and the vines well watered and the beans will continue bearing much longer than if vines are allowed to become dry.

Dwarf Horticultural. A very vigorous variety with large leaves; used as a shell bean, green or dried. Pods are of medium length, slightly curved, and when nearly ripe are striped and splashed with crimson on yellowish-brown; seed pale pink, splashed with bright red. Pkt., 10c; lb., 30c; postpaid. By express or freight, lb., 20c; 10 lbs., \$1.50.

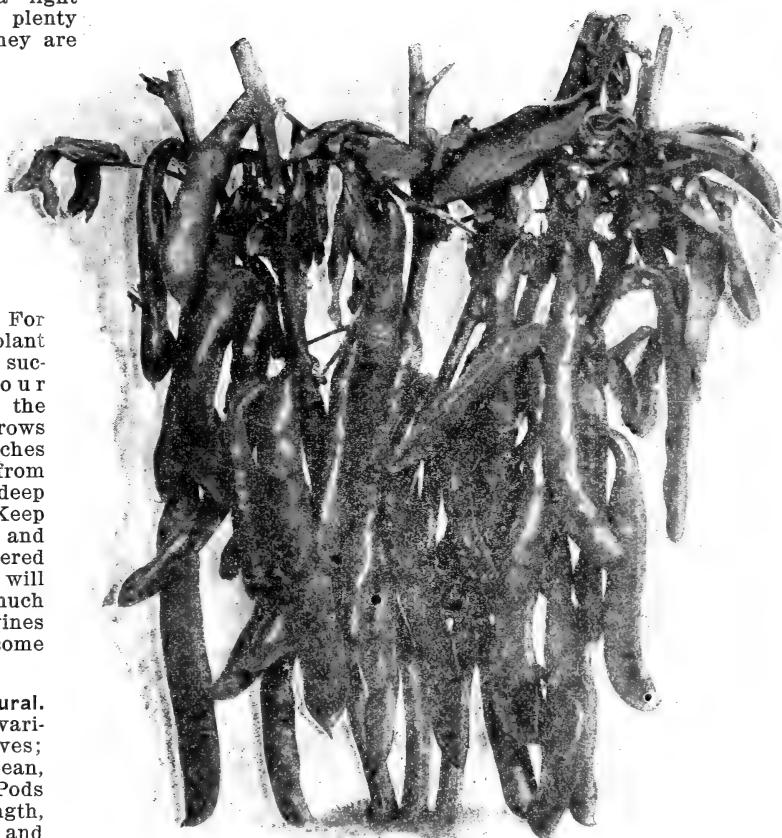
POLE OR RUNNING

All the following Pole Beans:

Pkt., 10c; lb., 25c; postpaid. By express or freight, lb., 15c; 10 lbs., \$1.25; 100 lbs., \$10.00.

Lazy Wife. This sort is very popular. As its name indicates, a handful of choice, stringless pods at a single grab. The pods are broad, thick, very fleshy and entirely stringless, and possess a rich buttery flavor when cooked. The beans are white and make a very good dry bean for winter use; may be grown either on poles or on corn.

Kentucky Wonder. Vine vigorous, climbing well and very productive, bearing its pods in large clusters; pods green, very long, often reaching nine or ten inches, nearly round when young and very crisp, becoming very irregular and spongy as the beans ripen.



Dwarf Horticultural.

Large White Lima or Butter. Rich and finest flavor and estimated to be the best late pole bean.

DWARF LIMAS

Deere's Bush Lima. Very prolific, single plants often producing from 150 to 200 pods. The beans grow close together in the pod, producing 3 to 4 and sometimes 5 in a single pod, and are thick, sweet and succulent. Pkt., 10c; lb., 35c; postpaid. By express, lb., 30c; 10 lbs., \$2.50.

Burpee's Bush Lima. A bush form of the large white Lima. Pkt., 10c; lb., 35c; postpaid. By express, lb., 30c; 10 lbs., \$2.50.

Henderson's Bush Lima. A dwarf variety of the Sieva or Southern Limas. Pkt., 10c; lb., 35c; postpaid. By express, lb., 30c; 10 lbs., \$2.50.

AABLING-EBRIGHT SEED CO., SEATTLE



One of the best long pod Pole Beans. Very prolific.

Early Long Yellow Six Weeks. A long podded green variety. Plants strong and vigorous and leaves large; of fair quality. Seed long, kidney-shaped, light-yellow with darker marks about the eyes. Pkt., 10c; lb., 25c; postpaid. By express or freight, lb., 20c; 10 lbs., \$1.25.

Early Red Valentine. A popular variety; erect vine with dark-green leaves. Pods of medium length; fleshy, round and saddlebacked, with only slight strings. Seed pink, marbled with red. Pkt., 10c; lb., 25c; postpaid. By express or freight, lb., 15c; 10 lbs., \$1.25.

Longfellow. This variety produces an abundance of large green pods which are very tender and of fine flavor. The pods are long, slender and straight. Pkt., 10c; lb., 25c; postpaid. By express or freight, lb., 20c; 10 lbs., \$1.25.

Refugee, or 1,000 to 1. A variety rather later than other green-podded varieties. Vines large, spreading, and very hardy; pods long and green, becoming white, streaked with purple as they mature. Seed yellowish; heavily splashed with bluish black. Pkt., 10c; lb., 25c; postpaid. By express or freight, lb., 20c; 10 lbs., \$1.25.

WAX-PODDED BUSH BEANS

Wardwell's Kidney Wax. Most popular of all wax varieties in the South for either market or home use. Matures in five to six weeks; a strong, vigorous grower, bearing heavy crops of long, showy pods, tender and of the finest flavor. In shipping it stands up well, bringing top prices. Is remarkably free from rust. Pkt., 10c; lb., 25c; postpaid. By freight or express, lb., 15c; 10 lbs., \$1.25.

Dwarf Golden Wax. An old, well-known favorite variety for private gardens. Pods long, semi-round, golden yellow, and very fleshy, and of the best quality. Pkt., 10c; lb., 25c; postpaid. By freight or express, lb., 15c; 10 lbs., \$1.25.

Dwarf Black Wax. A favorite main-crop wax variety. Pods are round, waxy yellow, solid and tender. Desirable for home use on account of its superior tenderness and flavor. Pkt., 10c; lb., 25c; postpaid. By freight or express, lb., 15c; 10 lbs., \$1.25.

Davis White Kidney Wax. Pods remarkably long, straight and of a handsome, waxy white color; enormously productive. Seed white. Pkt., 10c; lb., 35c; postpaid. By freight or express, lb., 25c; 10 lbs., \$2.00.

BEETS

Two ounces will sow 50 feet of drill.

Culture.—The ground for Beets should be rich and well spaded or plowed. In this latitude Beets are sown in April to May, and from the first of August to December. Some market-gardeners sow them every month in the year. Seeds should be soaked twelve hours before planting, as this softens the bur and allows the seed germ to prove itself much quicker. For field culture, sow in drills 2 to 2½ feet apart, and cover about 1 inch. Thin out to 4 inches apart. For a small garden the drills need not be more than 15 inches apart.

Improved Early Blood Turnip. Dark red, smooth, uniform size and of excellent quality. One of the best for main crop, as it keeps in condition longer than the other kinds. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 10 lbs., \$6.00.

Extra-Early Egyptian Blood Turnip. An old standard sort, both for market-gardeners and family use. Produces fine, smooth, deep red roots. About ten days earlier than the Blood Turnip. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 10 lbs., \$6.00.

Extra-Early Eclipse. A most popular market-gardener's Beet, as well as a favorite for home gardens. Of remarkably fine form, smooth and free from stringy roots. Small top and a rapid grower. Color a deep blood-red, which it retains fully after being cooked. Quality extra fine, sweet and tender. A heavy cropper. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 10 lbs., \$6.00.

Detroit Dark Red. A blood-red, early, turnip-shaped variety. Has small, upright tops; fine round shape; skin and flesh dark blood-red; very tender and sweet. Remarkably uniform in growth, and a particularly desirable sort for truckers and market-gardeners. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 10 lbs., \$6.00.

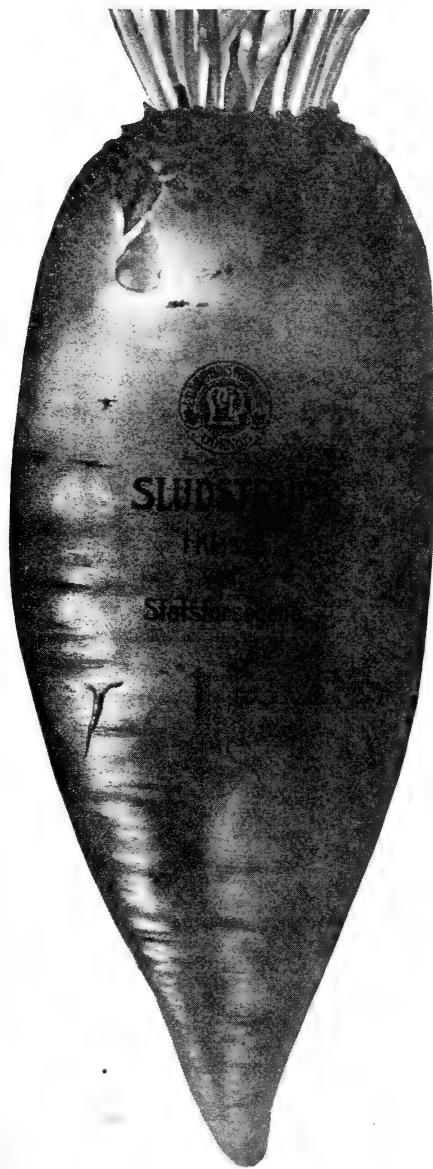
Edmand's Early Blood Turnip. A market gardener's strain; regular in shape, round, with very small tap-root; flesh a deep blood-red, sweet and tender. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 10 lbs., \$6.00.

Long Smooth Blood. Long, smooth and very dark red; a late variety. Our strain of this variety cannot be excelled. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 10 lbs., \$6.00.

SUGAR BEET AND MANGEL WURZEL For Stock Feeding

Prices for all the following Mangels and Sugar Beets. Pkg., 5c; oz., 10; $\frac{1}{4}$ lb., 20c; lb., 50c; 10 lbs., \$4.00.

If large lots of seed are wanted write us for special prices. We import direct from the best foreign growers.



Sludstrub.

Golden Tankard Mangel Wurzel. This is undoubtedly one of the most profitable varieties to grow for stock, as it is an enormous cropper, and is said to be one of the most fruitful Mangels in cultivation. Color bright yellow.

Mammoth Long Red Mangel Wurzel. A particularly fine stock of Mangel. The roots attain enormous size, smooth and regular in shape.

Giant Feeding Sugar Beet, or Half Sugar Mangel. This new Sugar Beet gives nearly as large a yield of easily grown and harvested roots as a crop of Mangels, besides being much more succulent than the ordinary Sugar Beet. It grows well above the ground and is easily pulled. Under same cultivation will yield twice more than regular Sugar Beets.

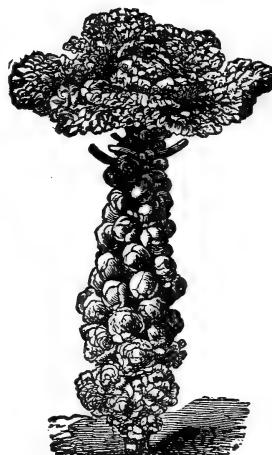
DANISH MANGEL WURTZEL

Sludstrub.

The Danish Government offers every year big prizes for the production of Beets. The above has taken first prize and has been proven to produce the best milk of any Mangel Wurtzel yet grown, and is used more than any other Beet in Denmark. Our Seeds are grown by the old reliable growers, Daenfeldt, in Odense, Denmark, for us. It is very scarce yet and only a limited amount could be had this year. Price: Per oz., 10c; per lb., 50c; 10 lbs., \$4.00.

Gate Post Mangel Murtzel. One of the largest and best known. Best for stock.

BRUSSELS SPROUTS



Our
Potlatch
Packet
Will
Please
You

One ounce will produce about 3,000 plants. Improved Tall. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

Hercules. Demi-tall, new variety, closely set with solid sprouts of fine quality. Hardy sort, stands the winter admirably. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

BROCCOLI

Culture.—Same as given for Cauliflower.

Early Purple Cape. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Early White. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 85c; lb., \$2.50.

CABBAGE

One ounce will make about 5,000 plants.

For very early use sow in January or February in hotbeds; prick out when plants are strong enough into other hotbeds; or sow in coldframes in March, transplant to the open ground when danger from killing frosts is passed, in rows two feet apart and eighteen inches in row. Cabbage succeeds best in a fresh, rich soil, well manured, and deeply dug or plowed. The late plants are subject to attacks of the cabbage-fly, which destroys them as fast as they appear above ground. To preserve the plants sprinkle them with wood ashes, air-slacked lime, slug-shot or tobacco dust early in the morning while the plants are wet with dew.

EARLY VARIETIES

Early Jersey Wakefield. A leading early variety, and one of the best for private or market gardener's use; conical shaped and good quality. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.



Early Winnigstadt. Conical shape; quality very good. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Large York. A superior early-heading, robust plant. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

SECOND EARLY VARIETIES

All-Head Early. The deep, flat heads are remarkably solid, and very uniform in size. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 85c.

Succession. A good second early round-head sort. Heads very evenly, and comes in a few days after the Early Summer. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

LATE CABBAGE

Danish Ball Head (Hollander). This extra hard-headed variety of Cabbage originated in Denmark. It is the medium-sized hard white Cabbage that is received from abroad during the early spring months, and even after the long journey arrives in splendid condition. It is a medium or late variety, but is used mostly

as winter Cabbage. Pkt., 10c, oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

Large Flat Dutch. An excellent Winter Cabbage of very large size, oval, solid heads of splendid quality, good keeper. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.



Drumhead Savoy.

Perfection Drumhead Savoy. Possessing the rich flavor of the Cauliflower. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c.

Late Drumhead. In good rich soil will produce heads of enormous size, very compact and solid. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

Autumn King, or World Beater. Produces heads of largest size and very solid. The heads are flat and leaves set close. A good keeper. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

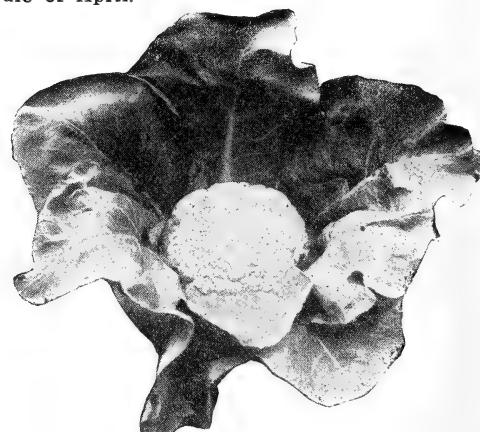
RED CABBAGE

Mammoth Rock Red. The largest and most solid of the red varieties. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

CAULIFLOWER

One ounce will produce 3,000 plants.

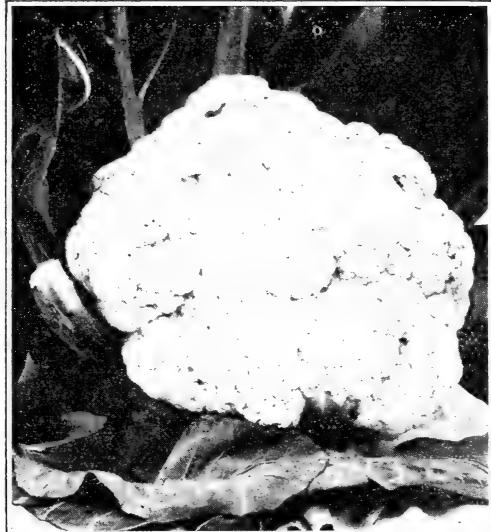
The culture is the same as for Cabbage. Sow it in hot-beads in February or March in extra manured soil. Water freely when very dry. Plants should have a heavy mulch of hay or straw to keep the soil moist. Plant out middle of April.



Early Erfurt.

Extra Early Dwarf Erfurt. One of the best for forcing and the open ground. True stock. Pkt., 10c; $\frac{1}{4}$ oz., \$1.00; oz., \$2.50.

Snowball. The leading Cauliflower, and unquestionably the purest strain of "Snowball" Cauliflower seed to be had. Heads uniform, of desirable size and of snowy whiteness. Pkt., 10c; $\frac{1}{4}$ oz., \$1.00; oz., \$3.00.



Danish Imported Snowball.

Veitch's Autumn Giant. One of the finest late varieties, of robust habit; heads large, compact and thoroughly protected by the leaves. Pkt., 5c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

Our Cabbage and Cauliflower Seeds are grown for us by the best growers in Odense, Denmark, and you are sure to get the best in the market by ordering from us. Try a small order.

CHERVIL

Moss Curled. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c.

CRESS

Extra Curled, or Pepper Grass. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Water-Cress. Pkt., 10c.

CARROT

One ounce to 100 feet of row.

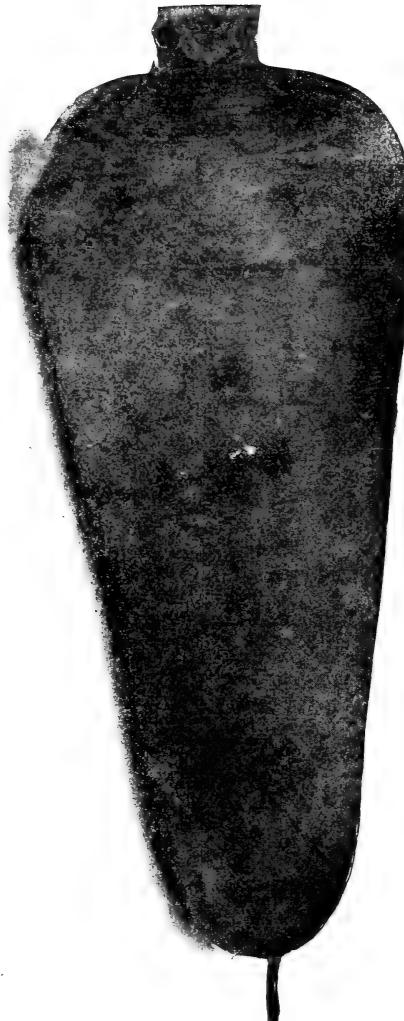
A light, loamy soil that has been well manured the previous year is preferred for growing Carrots, although good crops may also be obtained from ordinary garden soil. For early use seed may be sown in hotbeds from January until March, and in the open ground as soon as the weather becomes warm and settled, usually in April. Sow seed one-half inch deep in rows fifteen inches apart, and later thin to five inches in the row. Keep soil between the rows well hoed and free from weeds.

Chantenay. An ideal, medium early, stump-rooted Carrot; smooth and uniform in shape,

averaging five inches in length with thick heavy shoulders, rather large tops and deep orange color. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c; 10 lbs., \$5.00.

Guerande, or Oxheart. A short, thick Carrot not exceeding four inches in length and about the same in width which does quite well on hard, heavy soils where the longer varieties are useless. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c; 10 lbs., \$5.00.

Improved Danvers Half-Long. An improved type of the Danvers Half-Long. The roots are smooth, bright orange and of handsome appearance. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c; 10 lbs., \$5.00.



Danvers Half-Long.

Half-Long Nantes (Stump-Rooted). This favorite first early sort has a rich reddish color, is equal to any in sweetness and one we recommend for the home garden. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c; 10 lbs., \$5.00.

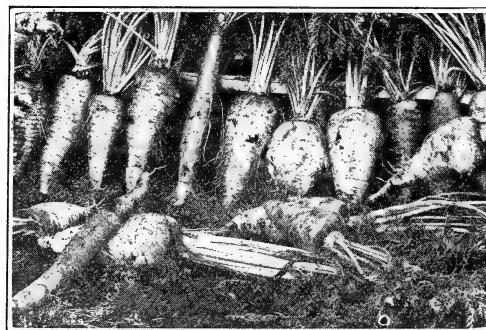
Long Orange. Popular for farm use on deep, mellow soil. Our stock is an improvement obtained by years of careful selection of the best formed and deepest colored roots, which grow to a large size, some specimens averaging twelve inches in length. Enormous crops can be grown under fair culture; one of the best varieties for feeding stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Parisian Forcing. Extremely early, of small size but very sweet, tender and beautiful orange red color. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c; 10 lbs., \$5.00.

Yellow Belgium. Long yellow roots; good keeper. Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

Improved Short White. Ranks as a field carrot, owing to its enormous productiveness and the east with which it can be harvested. Roots half long, smooth, very heavy at the shoulder, but tapering regularly to the point; color, light green at the crown, white below; flesh, rich, white, solid, crisp and of excellent flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

LARGE WHITE BELGIAN



Extensively grown for stock feeding; very productive. Grows so much above ground that the entire crop can be pulled by hand.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

CELERY

One ounce will produce about 2,000 plants.

Sow the last of March or early in April, in an open border, in rich, mellow ground, in shallow drills, watering freely in dry weather. By rolling or pressing in the seed the result will be more satisfactory than when covered. Cut the tops off of the seedlings once or twice before planting out, to make them stocky. When the plants are 5 to 6 inches high, transplant the dwarf varieties 3 feet and the taller sorts 4 feet between the rows; plant 6 inches apart in the rows. Cultivate well, and when large enough blanch by earthing up.

New Golden Self-Blanching Celery. This variety is now the leading sort in all markets as an early Celery. The handsome color, crispness, tenderness, freedom from stringiness and nutty flavor make it only necessary to be tried in order to establish it as the standard of ex-



White Plume.

cellence as an early sort. Pkt., 5c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

Improved White Plume Celery. The Golden Self-Blanching naturally turns yellow, but this one turns white. Well grown White Plume is simply perfect, both in palatability and beauty, and is the earliest Celery in cultivation. Our strain is extra choice, none better. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

Giant Pascal Celery. Best for winter use. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c.

New French. Self-blanching. Pkg., 25c; oz., \$2.50.

Golden Half-Dwarf. Stalks large and full; the heart is golden-yellow. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

New Rose, Henderson's. A splendid variety for late use and an excellent keeper. The color is a beautiful shade of rose, and like all red Celeries, of exceptionally fine flavor; solid, crisp and stringless. Oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.00.

CELERIAC, or Turnip-Rooted Celery

Pkg., 5c; oz., 35c.

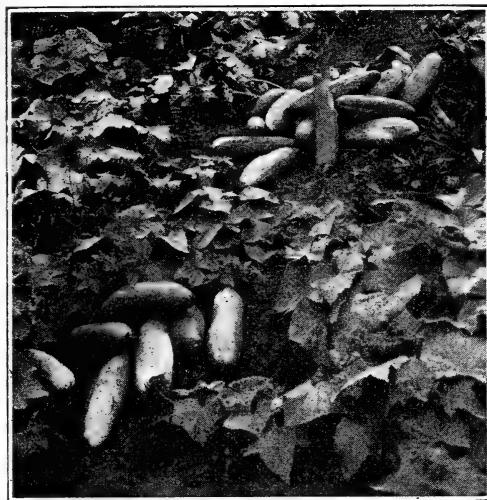
CUCUMBERS

One ounce of seed will plant 50 hills; 3 lbs. to the acre. Matures from 36 to 50 days.

Culture.—For early use, plant, as soon as the ground is warm, in hills 4 to 6 feet apart each way, eight to ten seeds in a hill. Cover half inch deep. When danger of insects is past, thin out the plants, leaving five or six of the strongest in each hill.

Improved Arlington White Spine. The advantages claimed for this variety are improvement in shape, color, earliness and shipping qualities. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 75c.

Improved Long Green. Grows 10 to 12 inches long, but makes fine pickles when young; the full-sized fruits are best for sweet pickles and slicing. Dark green in color, firm and crisp; quality excellent. A great bearer. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 75c.

**Davis Perfect.**

Japanese Climbing. A real climber. Comes into bearing quickly and sets its fruit constantly throughout the season. The fruit is of extra quality, and of a dark green color. A prolific yielder and a desirable table variety. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Boston Pickling. Short, smooth and pointed; bright green; great yielder; one of the best for pickling. Pkt., 5c; oz., 10c; lb., 75c.

West India Gherkin. The only genuine Gherkin. Small, oval, covered with spines; light green. For pickling, exclusively. Pkt., 5c; oz., 15c; lb., \$1.

Davis Perfect. A type of white spine which is certain to meet with favor either for forcing or open ground culture. It is a handsome, extra long Cucumber, delightfully flavored, and retains its deep glossy green color until near maturity. Per pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

SWEET CORN

Write for prices on large quantities.

Culture.—Corn can be sowed in hills three feet apart each way, or in drills four to four and a half feet. If sowed in hills 8 to 10 pounds are required to plant an acre, and if sowed in drills, it takes from 15 to 20 pounds. The soil must be rich and the seed not covered more than one inch, and not sowed before the ground is warm. Four to six kernels are dropped into a hill. The young corn must be hoed often, drawing the soil to the stems and breaking off side shoots.

Golden Bantam. (New.) The stalks are vigorous and strong, grow about 4 feet high and produce 3 to 4 fine eight-rowed ears 6 to 8 inches long. On account of its firm texture it can be planted earlier than any other variety of Sweet Corn and is less apt to be bothered by worms. Pkt., 10c; $\frac{1}{2}$ lb., 15c; postpaid. By express or freight, lb., 20c; 10 lbs., \$1.75.

White Cob Cory. For a strictly early for first market and home use, you can't be far wrong with White Cob Cory. We offer northern grown extra early matured seed. Pkt., 10c; lb., 25c; postpaid. By express or freight, lb., 15c; 10 lbs., \$1.25.

Crosby's Early. Most excellent variety and remarkably early. Ears of large size, medium length, sweet, rich and delicate. Pkt., 10c; lb., 25c; postpaid. By freight or express, lb., 15c; 10 lbs., \$1.00.

Early Minnesota. This is among the earliest of the sugar varieties, and is much esteemed, not only because it matures so early, but for its excellent qualities as well. Ears rather small, long and pointed. Pkt., 10c; lb., 25c; postpaid. By express or freight, lb., 15c; 10 lbs., \$1.25.

Peep-O'Day. Of dwarf, compact habit, very early, immensely productive, and withstands close planting. Ears of medium size, sweet and tender. Per lb., 15c; 10 lbs., \$1.25.

Stowell's Evergreen. This variety is more largely planted than any other, being the general favorite with canners and market gardeners for late use. It is very productive, the ears are of large size, grains deep, exceptionally tender and sugary, and remains for a long time in an edible condition. This variety, with one or two of the early varieties for a succession, is necessary for every garden. Pkt., 10c; lb., 25c; postpaid. By express or freight, lb., 15c; 10 lbs., \$1.25.

SELECTED FIELD CORN SEED

Colorado Yellow Dent. An early Dent variety, ripening with the Flint varieties, and can be grown in almost any locality. Stalks large with broad leaves, ears eight to ten inches, sixteen rowed, grain yellow, making a good quality of meal. Pkt., 10c; lb., 20c; postpaid. By express or freight, lb., 15c; 10 lbs., 75c.

Pride of the North. (90 days.) This variety has smaller ears than the late kind, but is valuable to grow, as it matures earlier. Planted as late as July 4, it has fully matured by October 1. Pkt., 10c; lb., 20c; postpaid. By express or freight, 10 lbs., 60c.

ENDIVE

One ounce will sow 100 feet of drill.

Large Green Curled (Chicory). Leaves are quite broad, beautifully curled, deeply lacinated and form large flat heads which bleach readily to a creamy white. Per pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

KOHL RABI

One ounce will sow 200 feet of drill.

Early White Vienna. A short-leaved variety which succeeds well in frames but may be sown in the open ground. Per pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Early Purple Vienna. Leaves and bulbs are rich purple in color but the flesh is tender and of fine quality. Per pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.



Thousand Head Kale.

KALE OR BORECOLE

Tall Green Curled Scotch. Heads are formed on stalks two and a half feet high; color bright green, and leaves exceedingly curly. Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Dwarf Green Curled Scotch. Noted for its extreme hardiness, dwarf, compact habit and extra fine curled leaves. Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 80c.

Thousand Headed Kale is almost indispensable as a green feed for stock and poultry through the winter. The plants are hardy and thrifty producing a heavy tonnage per acre and may be left in the field until wanted for feed. It is an ideal feed for dairy cows. One pound will produce sufficient plants for one acre. 1 lb., 50c, postpaid.

LEEK

Four pounds to plant an acre.

Culture of Leek is about the same as onions. Sow either in early fall or spring. Sow in beds or drills, when 6 inches high, transplant in rows, setting as deep as possible without covering center leaves.

Large London Flag. The oldest and best-known and most largely grown variety. Pkt., 5c; oz., 15c; lb., \$1.25.

EGG PLANT

One ounce will produce about 1,000 plants.

New York Improved Spineless. Extensively cultivated for both market and family use; it grows to a large size; very prolific and fine flavored. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25.

LETTUCE

One ounce will sow 150 feet of drill.

Lettuce is the most popular of salads. It is easy of cultivation, but likes a rich, moist soil, and, to be crisp and tender, needs to be grown in cool weather. For winter use, sow in hot-beds every two weeks, cover very lightly, and transplant first to 3 inches apart each way, afterwards to 8 inches. For garden or field, sow in rows, and cover $\frac{1}{4}$ inch deep, and thin to 6 inches apart in the row.

Immensity (White Seed). A large, light green heading Lettuce of excellent quality and desirable for growing either under glass or outdoors. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

California Cream Butter (W. S.). A splendid variety for summer. It produces a very large and white head. It will stand extreme heat and is slow to go to seed. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 60c.

Big Boston (White Seed). Resembles Boston Market, but nearly twice as large; desirable for forcing and spring and fall outdoor planting. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Golden Queen. Splendid for early spring or fall sowing but not suitable for summer. Small, hard, compact heads, of very light green color and buttery flavor. Per pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

COS LETTUCE

Early White Self-Folding (Seed White). The leaves are yellowish white, very crisp and tender; a self-blanching Lettuce of superior flavor. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 75c.

CURLED, OR PICK, LETTUCE

Black-Seeded Simpson. A cutting variety of unusual merit. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c.

Grand Rapids. A loose-leaved vigorous grower. Pkt., 5c; oz., 15c; lb., 60c.

New York, or Wonderful. The broad, dark green leaves are beautifully curled and fringed at the edges, while the heads are large, solid and very tender. Per pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Selicia, Early Curlet. A fine, tender, very crisp rurlet variety. Pkg., 5c; oz., 10c; lb., 60c.

Tennisball, or Boston Market (White Seed). A well-known variety. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 60c.

Hanson (White Seed). Well-known, standard summer variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c.

Iceberg (White Seed). A curly Lettuce, large, solid heads. The outer leaves are light green in color and their habit of branching towards the center of head is a great aid to the blanching of heart. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c.

MELON, MUSK

Rocky Ford. The flesh is deep and thick, and light green in color, except next to seeds, where it inclines toward a yellow. The flavor is exceedingly fine. The skin is regularly ribbed and thickly netted. It is a firm, solid melon, and will carry in perfect condition for a week or more after its removal from the vine. It is a heavy cropper, and in wide favor as a market melon. Pkt., 5c; oz., 10c; lb., 85c.

Hackensack Extra-Early Improved. A selection from an improvement on the old Hackensack, and similar in shape and appearance; nearly as large and fully ten days earlier. Pkt., 5c; oz., 10c; lb., \$1.

Fine-netted Nutmeg. Small; very early and fine-netted; fruit round; flesh green and very sweet. Pkt., 5c; oz., 10c; lb., \$1.

MELON, WATER

Georgia Rattlesnake. The old Rattlesnake has always been regarded as a fine melon. Our strain is the result of careful selection by an experienced melon-grower through several years of careful and watchful work. The rind is thin and tough, the flesh deep scarlet, the flavor unsurpassed by any other sort. We strongly recommend it, both for shipping and table qualities. Pkt., 5c; oz., 10c; lb., 75c.

Kolb Gem. Originated in Alabama, and more largely grown in the South than any other melon; as a shipping variety has no superior; rind dark green, mottled; shape nearly round; quality superb. Pkt., 5c; oz., 10c; lb., 75c.

MUSTARD

Southern Giant Curled. This is grown extensively in the South, where it is highly esteemed. Pkt., 5c; oz., 10c; lb., 60c.

White London. Considered the best for salads and spinach; leaves light green. It is best when about 4 inches high. Pkt., 5c; oz., 10c; lb., 60c.



White Portugal.

ONION

One ounce will sow 100 feet of drill.

Sow in spring as soon as the ground can be worked in drills one foot apart. Thin to 3 or 4 inches and cultivate frequently with rake and hoe to keep down the weeds. They grow best in rich, sandy soil.

Southport Red Globe. Of medium size, spherical, with small neck, very deep, rich red color and of superior quality. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 50c; lb., \$1.75; 10 lbs., \$15.00.

Southport Yellow Globe. Same quality as the Southport Red Globe, but the color is a rich yellow. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.50; 10 lbs., \$12.50.

Prizetaker. An Onion of the largest size and nearly globular in form. Skin is yellowish brown; flesh is white, mild and tender. It is one of the best of the large European sorts.

If started very early in hotbeds, it will produce a mammoth Onion the first season. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Large Red Wethersfield. The best keeper and one of the most popular for general cultivation. Large size, deep purplish red skin. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$1.75; 10 lbs., \$15.00.

White Portugal or Silver Skin. This variety is one of the leading white sorts, and is of beautiful shape and very mild flavor. The bulbs are flat in shape and mature early. It is a splendid variety for both family use and the market gardener, and is very largely used for growing sets on account of its fine shape when small, and also for its good keeping qualities. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$2.00; 10 lbs., \$16.00.

Yellow Danvers. Most popular yellow Onion grown. Pkt., 5c; oz., 20c; lb., \$1.50.

Ailsa Craig Onion. An excellent exhibition onion of very large size. This mammoth onion is grown in England, where it originated, almost to the exclusion of all other sorts owing to its immense size, its handsome oval appearance, and its pungent but sweet and mild flavor. It is an excellent keeper for a large onion, a heavy yielder and grown for exhibition purposes perhaps more than any other variety. Its attractive pale straw color, its productivity and large size make it a most desirable sort either for market or the home garden, and bids fair to quickly rival home garden. To secure the largest onions seed should be sown in hot bed in the early spring and transplanted later to the open ground. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.10; lb., \$4.00; postpaid.

White Queen. A rapid-growing variety of mild flavor; pure white, and splendid for pickling. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.25.

White Globe. Yields abundantly, and as a table variety its clear white color is exceptionally attractive. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$2.50; 10 lbs., \$20.00.

CHOICE ONION SETS

Prices subject to market changes.

Onion Sets should be planted out as early in the spring as the ground is dry enough to work; plant them in rows one foot apart with sets 3 or 4 inches apart in the row.

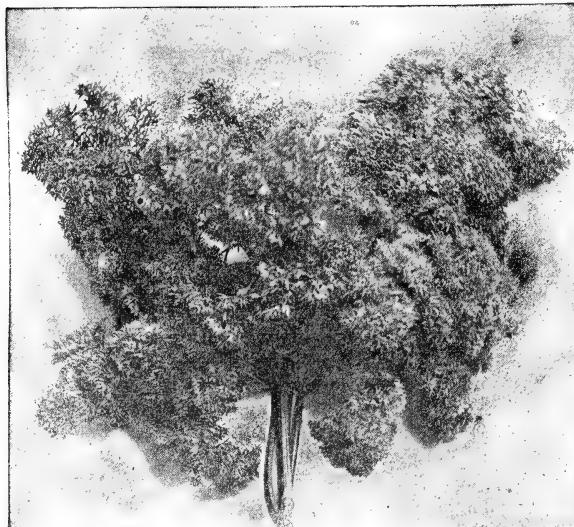
Yellow Onion Sets. Qt., 25c, postpaid; large quantities at market prices.

OKRA, or GUMBO

Sow when the ground is warm, in drills, 5 inches deep and 3 feet between the drills. Thin out 9 to 12 inches.

White Velvet. Longest pods, always round and smooth. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Dwarf Long Green. Very prolific. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.



Parsley.

PARSNIPS

About 8 pounds to plant an acre. The seed is very slow to germinate, and should be sown early in the spring in rows 18 inches apart for hand cultivation, or 30 inches apart for horse cultivation. Thin out to 6 inches in the row. Cultivate often.

Sugar, or Hollow Crown. The very best sort in existence. A large yielder of the finest quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

PEPPERS

One ounce to plant 100 yards in row. Is edible in 90 to 120 days.

Cayenne. A long, slim pod, rather pointed, and, when ripe, a bright red color. Extremely strong and pungent. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

Mammoth Bell, or Bull Nose. This is the most popular of all sweet varieties; is very mild in flavor and flesh very thick. It is a very fine variety for pickling.

Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

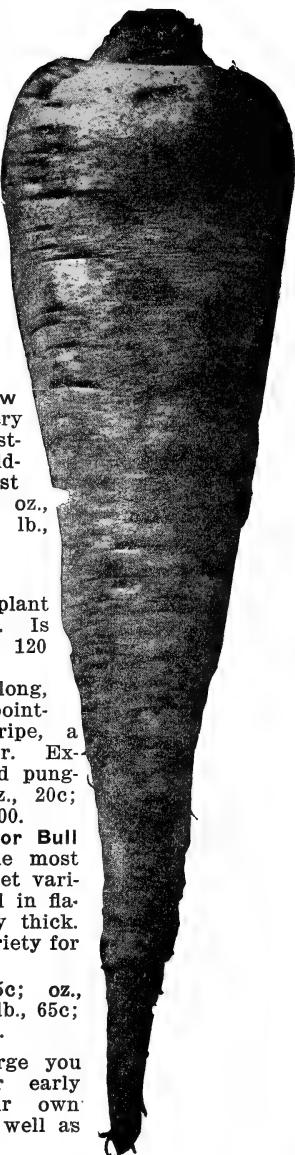
We urge you to order early for your own sake as well as ours.

PARSLEY

One ounce for 150 feet of drill. 7 pounds to plant an acre. About 65 days from sowing to cutting.

Culture.—Sow thickly in rows a foot apart and half an inch deep. For winter use, protect in a frame or light cellar, or in pots or boxes in the house.

Fine Double Curled. A standard variety; plants bear an abundance of finely curled leaves. Pkt., 5c; oz., 10c; lb., 75c.



ENGLISH, or GARDEN PEAS

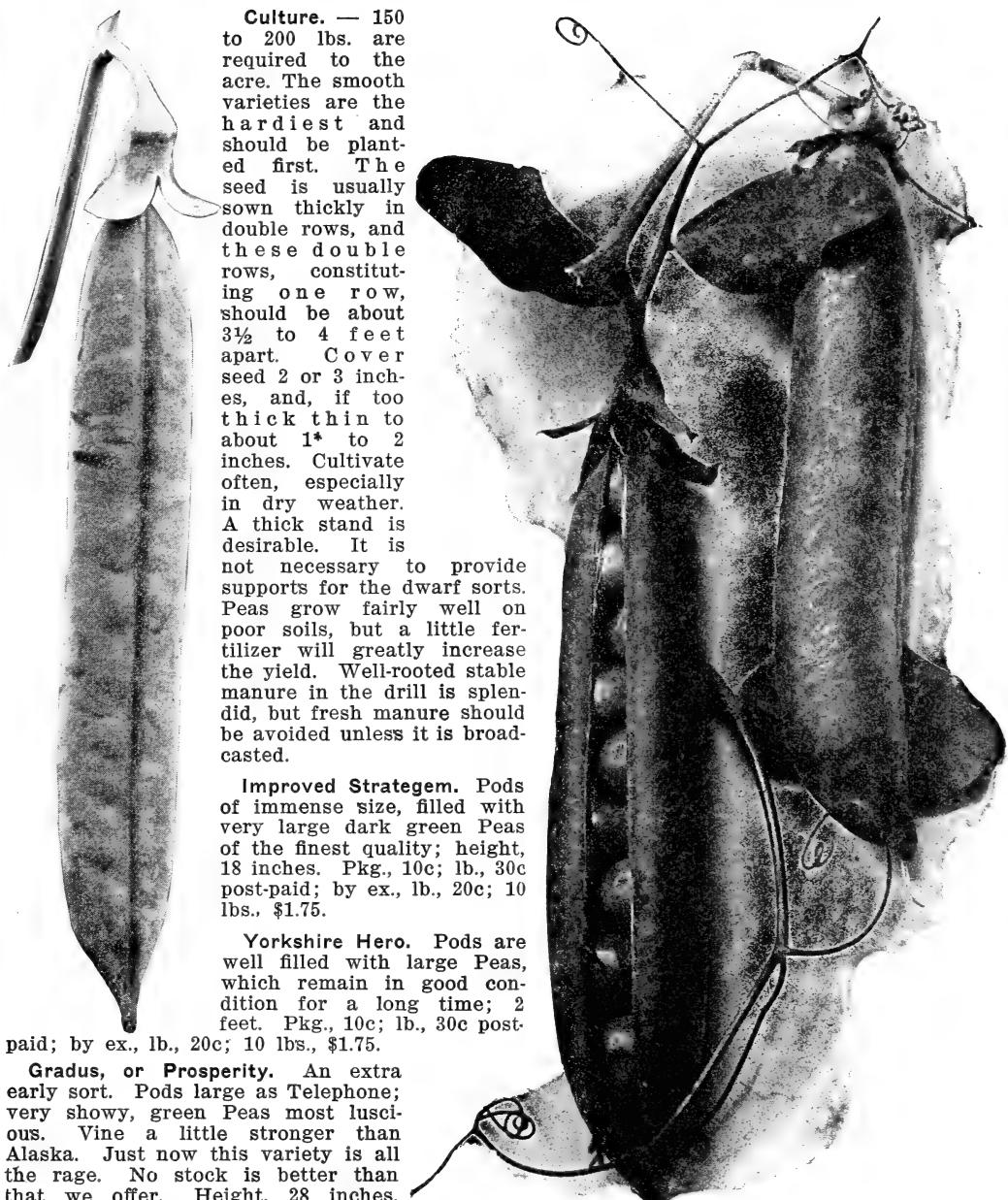
Culture. — 150 to 200 lbs. are required to the acre. The smooth varieties are the hardiest and should be planted first. The seed is usually sown thickly in double rows, and these double rows, constituting one row, should be about $3\frac{1}{2}$ to 4 feet apart. Cover seed 2 or 3 inches, and, if too thick thin to about 1 $\frac{1}{2}$ to 2 inches. Cultivate often, especially in dry weather. A thick stand is desirable. It is not necessary to provide supports for the dwarf sorts. Peas grow fairly well on poor soils, but a little fertilizer will greatly increase the yield. Well-rooted stable manure in the drill is splendid, but fresh manure should be avoided unless it is broadcasted.

Improved Strategem. Pods of immense size, filled with very large dark green Peas of the finest quality; height, 18 inches. Pkg., 10c; lb., 30c post-paid; by ex., lb., 20c; 10 lbs., \$1.75.

Yorkshire Hero. Pods are well filled with large Peas, which remain in good condition for a long time; 2 feet. Pkg., 10c; lb., 30c post-paid; by ex., lb., 20c; 10 lbs., \$1.75.

Gradus, or Prosperity. An extra early sort. Pods large as Telephone; very showy, green Peas most luscious. Vine a little stronger than Alaska. Just now this variety is all the rage. No stock is better than that we offer. Height, 28 inches. Pkt., 10c; lb., 25c; prepaid. By express or freight, lb., 20c; 10 lbs., \$1.75.

We sell direct to the planters and our seeds can be had only by sending direct to us. You will get the very best that can be had by giving us your order. Try us.

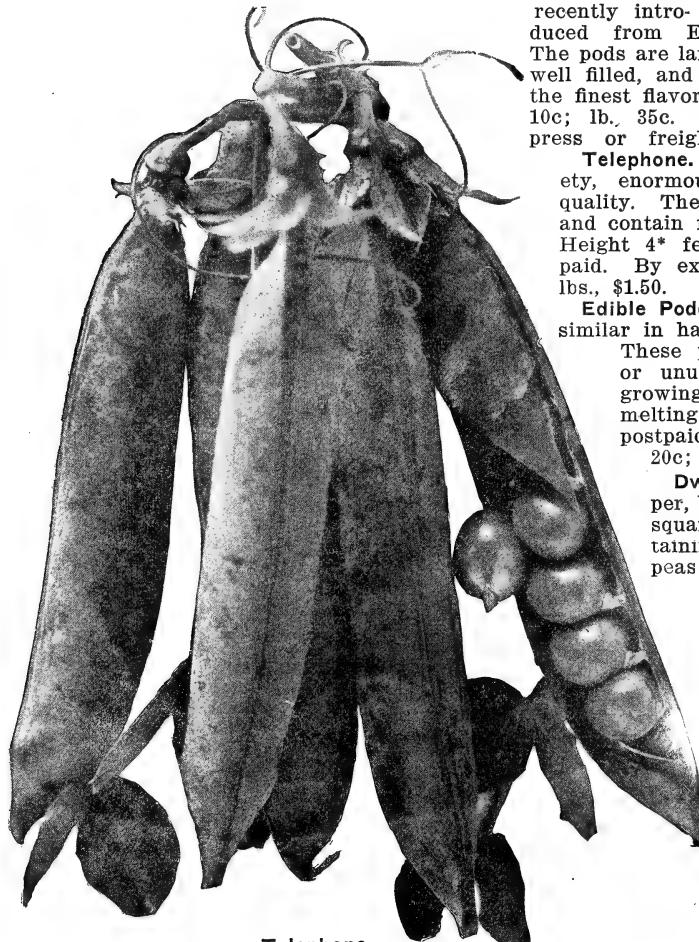


Gradus.

McLean's Little Gem. A favorite early wrinkled variety maturing a little later than American Wonder, of a somewhat taller growth, and a little more prolific; pods fair length and peas of excellent quality. Pkt., 10c; lb., 35c; prepaid. By express or freight, lb., 15c; 10 lbs., \$1.25.

American Wonder. The first variety of dwarf, compact growth and early maturity having a wrinkled seed and rich, sweet flavor. While a number of improved varieties have been introduced since, this still remains a leading favorite for home and market. The vines grow only 8 to 10 inches high, and pods mature in quick succession to the Extra-Early. Pkt., 10c; lb., 30c;; postpaid. By express or freight, lb., 15c; 10 lbs., \$1.25.

Nott's Excelsior. Height 14 inches. This sort resembles the American Wonder but grows a trifle taller and the pods are somewhat larger. It is of compact dwarf growth and is nearly as early as the American Wonder. The pods average 3 inches in length. Pkt., 10c; lb., 30c; postpaid. By express or freight, lb., 20c; 10 lbs., \$1.25.



Telephone.



King Edward. A delicious New Early Dwarf Pea of great merit, recently introduced from England. The pods are large and well filled, and one of the finest flavor . Pkt., 10c; lb., 35c. By express or freight, lb., 30c; 10 lbs., \$2.50.

Telephone. A tall, wrinkled, narrow variety, enormously productive and of fine quality. The pods are of the largest size and contain from six to seven large Peas. Height 4* feet. Pkt., 10c; lb., 30c; prepaid. By express or freight, lb., 20c; 10 lbs., \$1.50.

Edible Podded Sugar Peas. Dwarf, very similar in habit to the American Wonder. These pods are beautifully crimped, or unusual size for such a small-growing plant, and are of exquisite, melting quality. Pkt., 10c; lb., 25c; postpaid. By express or freight, lb., 20c; 10 lbs., \$2.00.

Dwarf Telephone. A heavy cropper, bearing uniform, long, straight, square-ended, dark green pods, containing 7 to 8 large, rich-flavored peas of a deep green color adding to their attractiveness when served. Almost as early as the extra-early smooth peas; 3 feet high. Pkt., 10c; lb., 40c; prepaid. By express or freight, lb., 20c; 10 lbs., \$1.75.

Alaska. Pkt., 10c; lb., 30c; postpaid. By express or freight, lb., 15c; 10 lb., \$1.25.

The express rate is no more than 8 cents per pound anywhere East, and is much cheaper to near points. Remember we prepay all charges on seeds except on Beans, Peas, Corn, Onion Sets, and Field Grass and Clover Seeds.

POTATOES

Beauty of Hebron. This is an old-time favorite which matures early, tubers have red and white skin, grow to a good size and are of excellent quality. It is also a very productive variety and a remarkably good keeper. Lb., 5c; 100 lbs., \$2.25.

Early Rose. We sell more of this variety than any other, as it is the leading early sort in almost all sections. The stock we furnish is northern-grown, and has been carefully handled. Lb., 5c; 100 lbs., \$2.50.

Rural New Yorker No. 2. A valuable variety of large size, very smooth and a great cropper, in quality unexcelled. It is the best late long keeper, and we recommend it very highly. Lb., 25c; 10 lbs., \$2.00.

PUMPKIN

Connecticut Field. One of the largest and a splendid cropper. Pkg., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Cushaw. The old reliable Pie Pumpkin. Pkg., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Large Cheese. Very good for table use. Skin orange, flesh yellow and sweet. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 80c.

Sugar, or New England Pie. This handsome variety is small but very sweet, fine grained and of the very best quality. Skin is deep orange, flesh rich, deep yellow, excellent for pies or boiled. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Large Yellow Mammoth Potiron (King of the Mammoths, Jumbo). Specimens have been grown weighing over 190 pounds. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Winter Luxury Pumpkin. Splendid pie Pumpkin; shape round, skin finely netted. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c.

RADISH

One ounce will sow 100 feet of drill.

For early use select only forcing varieties and sow in hotbeds or under glass any time from January until March. Begin sowing outdoors as soon as the soil is in working condition, selecting if possible a light, sandy loam. Although seed of the monthly Radishes may be sown broadcast the summer and winter sorts should be sown in drills twelve to eighteen inches apart, but not before May 15th, as earlier sowings will most likely run to seed. For winter sow from July 15th to August 15th in drills eighteen inches apart, later thinning out to six inches apart.

Crimson Giant. A forcing variety of unusual size, but better adapted to outdoor culture. It is solid, crisp and tender. Per pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 85c.

Half Long Scarlet. Extra fine and tender, second early. Pkg., 5c; oz., 10c; lb., 50c.

Long Bright Scarlet. A very tender and the best of the long varieties. Pkg., 5c; oz., 10c; lb., 50c.

Scarlet Globe Forcing. Popular everywhere either for forcing or outside sowing. Its brilliant color, uniform shape, and crisp, white flesh make it a favorite with all. Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Early Scarlet Turnip. One of the standard sorts for general sowing. Roots are turnip shaped, dark red and of fine quality. Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

French Breakfast. This well known Radish is olive shaped, bright scarlet with the exception of the white tip. Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

Early Scarlet Turnip, White Tipped. An exceptionally fine strain so largely grown by market gardeners. Its color is of the deepest scarlet with a prominent white tip; superb flavor. Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Early White Turnip. Preferred by many to the red sorts. Flesh clear white, tender and sweet. Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

Chartier. Roots are red with a white tip, slender and remain solid and crisp until of large size. Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

Icicle. One of the earliest and purest of all long, white varieties. For crispness and tenderness it is unsurpassed. Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Long Scarlet Short Top. A long, smooth, tapering Radish somewhat smaller but brighter in color than Chartier. Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 65c.

Long White Vienna (Lady Finger). The skin and flesh are both pure white and of excellent quality. Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

Half-Long Black. Highly recommended as the best sort for winter. In color it is more of a gray than black and grows to an extremely large size. Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 80c.

Round Black Spanish. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

Rose China Winter. (Scarlet China.) A rose colored variety of fine quality; flesh white. Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Full Cultural Directions will be found printed on each packet. Our seeds, both Flower and Vegetable. If they are followed it means that you will have the best garden in your neighborhood.

RUTABAGA

Improved American Purple-Top. This strain is of American origin, bred to a smaller top and short neck. The bulbs are of great size, yellow-fleshed and purple crown; one of the most desirable varieties now cultivated. Pkt., 5c; oz., 10c; lb., 50c.

RHUBARB

Should be sown during April or May in drills one foot apart covering the seed about one-half inch. Later thin out the seedlings to four inches apart and in the fall transplant to permanent beds of well enriched soil, setting plants not less than three feet apart. They will be in condition for use the following year. Per pkt., 10c; oz., 25c.

All vegetable and flower seeds up to one pound are prepaid by us except peas and beans, for which add 8c per pound.

SALSIFY, or OYSTER PLANT

One Ounce Will Sow 75 Feet of Drill.

This vegetable is best grown in a rich, deep but loose soil. Sow about one inch deep from April to June 15th in drills 12 inches apart. Later thin out to four inches in the row. They are usually ready for use in September but become more delicate in flavor after a light frost.

Mammoth Sandwich Island. The roots are white, extra long, straight and very tender. Per pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

SPINACH

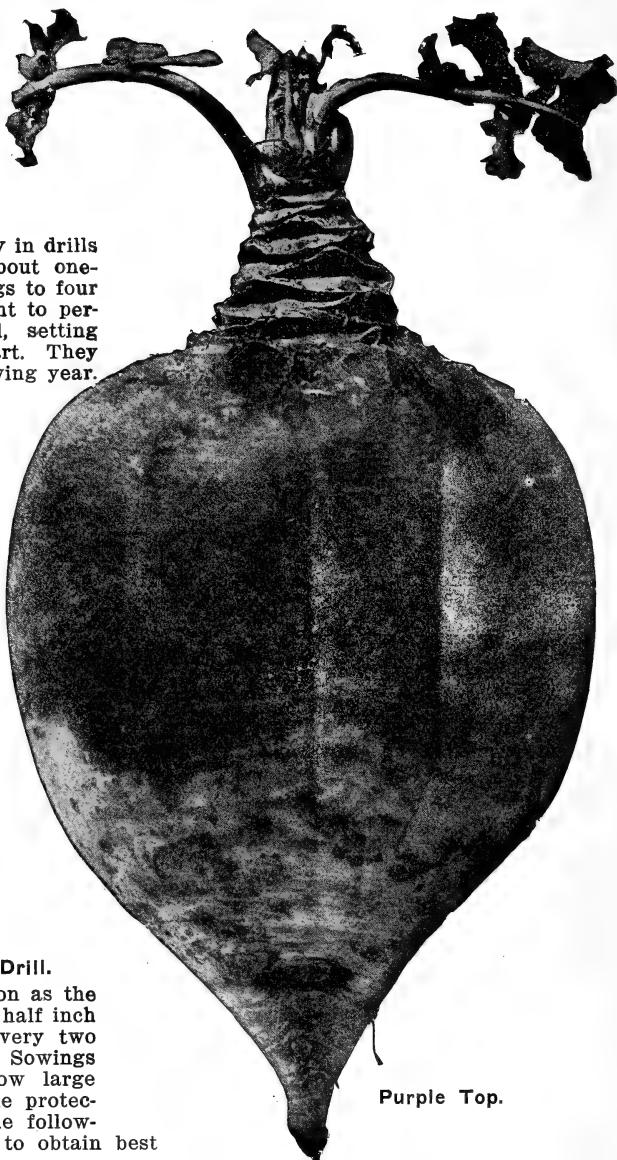
One Ounce Will Sow 50 Feet of Drill.

First sowing should be made as soon as the ground is open in spring. Sow seeds half inch deep in drills one foot apart and every two weeks thereafter for succession. Sowings made during September usually grow large enough to winter over and with little protection afford Spinach very early in the following spring. A rich soil is essential to obtain best results.

Bloomsdale Savoy-Leaved. The popular fall Spinach so largely grown for market. Grows upright, the leaves being crumpled, dark green and very thick. Per oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 35c.

Early Giant Thick-Leaved. A quick growing sort and one of the best for wintering over. It is of large size, rich green color and excellent quality. Per oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 40c.

Long-Standing. Succeeds well at almost all seasons and though rather slow growing it is a very fine, large, dark green leaved Spinach. Per oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 50c.



Purple Top.

Victoria. A favorite for early summer. It is one of the darkest in color and with exception of the heart, the leaves are comparatively smooth. Per oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 35c.

Spinage Prickly Winter. The best winter springer. Plant in September for winter use. Pkg., 5c; oz., 10c; lb., 35c.

Round Summer. The earliest of all springers. Pkg., 5c; oz., 10c; lb., 35c.

Please notice that we pay postage or express charges on seeds in packets or ounces and pounds, except Peas and Beans.

SWISS CHARD

Mangold, or All-the-Year-Round Spinach

Swiss Chard is a variety of Beet, producing no bulb but only leaves, which boiled form delicious greens, better in taste than the ordinary Beet greens or even Spinach. The midribs are esteemed, when cooked and served as Asparagus. A quick grower. Pkt., 5c; oz., 25c.

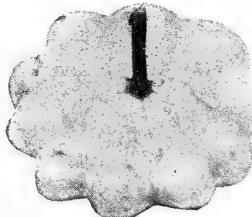
Silver Ribbed. Leaves yellowish-white, curly, ribs silvery white. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Take advantage of the Potlatch Packet or Big Dinner Family Garden, 30 packets for \$1.00.

SQUASH

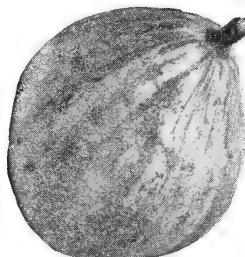
One Ounce to About 25 Hills.

The general methods of culture are the same as those given for Cucumbers and Melons, but Squash is less particular as to soil. The Summer varieties should be planted four to six feet apart each way and the Winter sorts eight to ten. Three plants are sufficient for a hill.



Early White. A well-known variety of dwarf habit and upright growth. Surface comparatively smooth; color creamy white. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Early Yellow. A very early, flat, scalloped variety of largest size; skin deep yellow; the flesh is pale yellow and well flavored. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c.



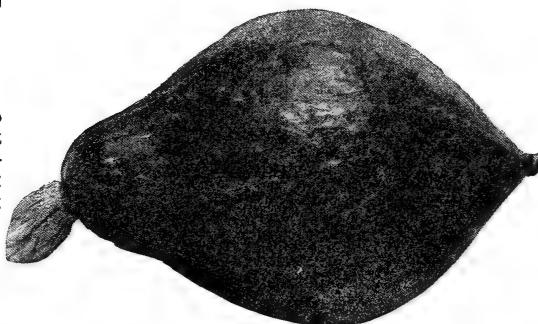
NEW DELICIOUS

This new fall and winter Squash resembles the old Hubbard; average weight is between five and ten pounds. Seed cavity small; flesh exceedingly thick, compact, fine grained; color, golden orange. The flesh is meaty, granulated, tender and almost of mealy dryness, cooking sweet and rich, whether steamed, baked, boiled or made into pies. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Summer Crookneck. The old standard sort; very early and productive. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c.

Italian Vegetable Marrow. A variety producing large oblong fruits, dark green at first but as they mature becoming marbled with yellow and lighter green in stripes. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Boston Marrow. A fall and winter variety of large size, oval form, skin thin; when ripe, bright orange; excellent flavor. We have a very fine stock of this sort. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., \$1.00.



TRUE HUBBARD

The best seller and most popular variety on our list. Rind dark green, warty and very hard. Flesh light orange, very dry, sweet and rich flavored. Has no superior. Keeps perfectly through the winter. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

TOMATOES

One Ounce Will Produce 1,500 Plants. For Table Use, 90 to 120 Days, According to Variety.

Culture. Tomatoes do best on light, warm, not over-rich soil, and success depends upon securing a rapid, vigorous and unchecked growth during the early part of the season. Sow in hotbeds from six to eight weeks before they can be set out of doors, which is when danger from frost is past. Transplant carefully and cultivate well as long as the vines will permit.

Acme. Pkt., 5c; oz., 20c; lb., \$2.00.

Ground Cherry or Husk Tomato. Grows to great perfection under ordinary culture, yielding abundantly; very much prized for preserving; should be in every garden. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

COMET—Forcing

The very best forcing variety and a general favorite with greenhouse growers. Color is a beautiful scarlet; fruits are of good size, very smooth and uniform. We offer a select strain from inside stock. Pkt., 25c.



ATLANTIC PRIZE

In point of earliness, this undoubtedly takes the lead. In size, shape and color it compares favorably with later sorts. Color, bright red. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 70c.

Earliana. The tomatoes are bright red and grow close together in clusters; all of medium size, averaging $2\frac{1}{2}$ inches in diameter. They are smooth and solid, quite thick through and free from rough ribs or cracks. The flesh is a deep red, with solid center and small cells; slightly acid flavor. Pkt., 5c; oz., 20c; lb., \$2.50.

Perfection (Livingston's). A standard sort; early, regular and productive. A splendid spherical Tomato for canning or shipping; blood red; has few seeds. Pkt., 5c; oz., 20c; lb., \$2.00.

YELLOW PEAR

A small pear-shaped tomato, borne in great profusion, vine literally covered with large clusters of fine, solid fruits; excellent for preserving, and for use in salads and cooking is superior, as flesh is not watery. Very hardy. To this class belong **Yellow Plum** and **Red Cherry**. All same price. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c.

TURNIPS

From 3 to 4 Pounds to An Acre. Matures for Table Use in From 55 to 85 Days According to Variety.

Culture. Plant for succession from August to April in drills 14 inches apart and thin out plants to 6 inches. Turnips thrive best in a highly enriched, sandy, gravelly or light loamy soil. Spring sowings should be put in early so that they will attain a good size before hot weather; otherwise they will become tough and bitter.

Early White Flat Dutch (Strap-Leaved). An

old standby, and one of the most popular early varieties for either spring or fall plantings. Of medium size and a quick grower. Flesh and skin pure white; fine grained and sweet. Pkt., 5c; oz., 10c; lb., 50c.

Red, or Purple Top Strap-Leaved. The most widely cultivated and best-known variety. Used largely for sowing broadcast among corn and potatoes. It is round and flat, white on the bottom and a reddish purple above ground, and a very quick grower. It is esteemed as a fine table variety. Pkt., 5c; oz., 10c; lb., 50c.

Seven-Top. The most popular variety for winter and early spring "greens." Very hardy, growing all through the winter. Can be cut at all times, giving a supply of fresh vegetable matter at times when nothing else is available. Can be sown from August till December and in early spring. Pkt., 5c; oz., 10c; lb., 50c.

Extra-Early White Egg. In our Extra-Early White Egg you will have a Turnip of the sweetest flavor ready for use in six weeks from the time of sowing with good seasons. In quality it is the finest of all. Very attractive when bunched for market. Pkt., 5c; oz., 10c; lb., 50c.

Purple Top White Globe. A large globe-shaped variety; purple above ground; it is handsome and of excellent quality and recommended both for the family garden and field crop. Pkt., 5c; oz., 10c; 2 oz., 15c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Extra-Early Purple Top Milan. The earliest Turnip in cultivation and a splendid variety; bulb white, flat, of medium size, with a bright purple top; one of the sweetest and finest flavored of summer sorts. Pkt., 5c; oz., 10c; lb., 50c.

White Globe. Color pure white; shape round; size large; solid, quick in growth for a large Turnip, producing a great weight to the acre. Pkt., 5c; oz., 10c; lb., 50c.

Sweedish Buta Baga. Large yellow, the most favorable for stock. Package, 5c; oz., 10c; lb., 50c.

Yellow Globe. A splendid sort for general crop; grows large; a good keeper, with bright, yellow flesh. Pkt., 5c; oz., 10c; lb., 50c.

Improved Golden Ball. One of the sweetest and most desirable yellow-fleshed varieties; of medium size; a perfect globe shape, with firm, hard, yet rich and sweet flesh; it has no equal as a table variety; keeps well. Pkt., 5c; oz., 10c; lb., 50c.

Flower Seeds



Flowering plants are enjoyed by everyone, and cut flowers for home use or flowering plants for garden display can easily be grown; their care is a pleasant and healthful diversion, and for the small expense of time and money nothing will return so much pleasure and profit. If you have any planting problems, if you wish to produce special effects or work out color schemes, write us; we will be glad to assist you in every way possible, and our experience is at your service.

Culture. Cultural directions are printed on the back of nearly all packets. Flowers usually succeed best in a sandy loam, made rich with well-rotted manure, which should be made fine and thoroughly mixed with the soil. A soil thus prepared will remain moist and loose, so that flower seeds, which are generally small and delicate, will germinate and grow with vigor.

Information That Will Aid in Selection of Flowers.

Annuals bloom and ripen the first year, and then they perish. Many annuals in warm climates, or when taken in, or protected during winter, become perennial, with short lives.

Biennials do not generally flower the first year, and are in their perfection the second year.

Perennials flower several years in succession.

Hardy Annuals, Biennials and Perennials can be sown in the open ground early in the spring if desired, and Hardy Biennials and Perennials do not require any protection in winter.

Half-Hardy Annuals, Biennials and Perennials should not be sown in open ground until settled, warm weather, though they can be sown in the house, if desired, early, and afterwards transplanted. The two latter need to be protected in the winter, or carried over until spring in cold frames or greenhouses.

ASTERS

Lavender Gem. This beautiful new Aster of the Comet type is an exquisite shade of true lavender, beyond question the finest yet produced. Is free flowering, erect habit, medium early. Every florist should grow this Aster. Pkt., 15c; $\frac{1}{8}$ oz., \$1.00.

Pink Gem. Identical with the lavender type, except in color, which is a lovely bright pink. Pkt., 15c; $\frac{1}{8}$ oz., \$1.00.

White Gem. A beautiful white Aster of the new "Gem" type—same as lavender and pink Gem. Pkt., 15c; $\frac{1}{8}$ oz., \$1.00.

Daybreak. Flowers are full, large and round, borne freely on long stems. Color a dainty shell pink. Very early. Height, 18 inches. Pkt., 10c; $\frac{1}{8}$ oz., 75c.

Imperial Yellow. Handsome flowers of a light yellow; a new color in Asters. Pkt., 10c; $\frac{1}{8}$ oz., 75c.

Queen of the Market. Best early Aster, of graceful spreading habit. Two weeks ahead of other varieties. Colors, white, light blue, scarlet, dark blue. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

GIANT COMET



One of the handsomest of the tall growing sorts; flowers large and beautiful; petals long and twisted. Rose, crimson, light blue, white or mixed. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

SEMPLE'S LATE BRANCHING

A magnificent strain; flowers large, beautiful, double and borne on long stems. White, rose, crimson, blue or mixed. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

ACROCLINIUM—EVERLASTING

Mixed; all colors. Pkt., 5c.

AGERATUMMexicanum Nanum. Light blue, white or mixed. Pkt., 5c; $\frac{1}{4}$ oz., 15c.**AGROSTEMMA**

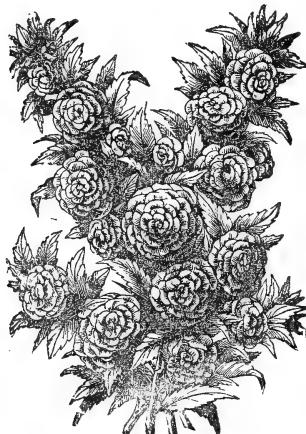
Perennial. Pkt., 5c.

**ALYSSUM**

Every garden should have plenty of Sweet Alyssum; its small, white flowers, borne in great profusion, are delicately fragrant and valuable for cutting. It is desirable to sow the seeds early in spring. Hardy annual. Plants in season.

Maritimum. Sweet. Pkt., 5c; oz., 30c.

Maritimum. Little Gem. Pkt., 5c; oz., 50c.

**BALSAM****Lady's Slipper, or Touch-Me-Not**

Exceedingly handsome plants, producing masses of attractive and various colored flowers. Half-hardy annual.

Tall Double Camellia Flowered mixed. Pkt., 5c; $\frac{1}{4}$ oz., 35c.
Dwarf, Double, mixed. Pkt., 5c; $\frac{1}{4}$ oz., 15c.

AMARANTUS

Melanicholius Ruber. Deep, red foliage; dwarf. Pkt., 5c.

Tricolor, or Joseph's Coat. Foliage scarlet, yellow and green. Pkt., 5c.

AURICULA, OR PRIMULA AURICULA

Beautiful, spring-blooming flowers. Hardy, perennial. Finest mixed. Pkt., 25c.

ASPARAGUS SPRENGERI, OR EMERALD FEATHER

Pkt., 10c; 25 seeds, 25c.

BALLOON VINE

A rapid, graceful climber, with inflated seed pods; flowers white. Tender annual. Pkt., 5c; oz., 25c.

**CHRYSANTHEMUM**

Half dwarf; of compact growth; flowers large, abundant and later than many sorts. White, scarlet, lilac, rose or mixed. Pkt., 10c; $\frac{1}{4}$ oz., \$1.00.

Superior Fertilizer, the best for your garden and lawn.

BACHELOR'S BUTTON, OR CENTAUREA CYANUS

A hardy annual, easily cultivated. Has recently been greatly improved and now produces handsome flowers of a great variety of rich colors. Striking and handsome.

Cyanus Azurea. Single, blue. Pkt., 5c; oz., 35c.

CANNA

New French and German varieties; mixed. Pkt., 10c; oz., 35c.

CANDYTUFT

Candytuft has long been among the most highly prized of garden annuals. The best effect is produced by raising the plants in masses, and sowing the seeds where the plants are to bloom.

Odorata. Sweet scented; white. Pkt., 5c; oz., 20c.

White Empress. Very sweet and attractive. Pkt., 10c; oz., 50c.

Carmine or Purple. Pkt., 5c; oz., 40c.

All colors. Pkt., 5c; oz., 20c.

CALLIOPSIS, OR COREOPSIS

Very showy and attractive. Always covered with a mass of bright flowers. A fine cut flower.

Choice Mixed Dwarf Annual, Single. Pkt., 5c; $\frac{1}{4}$ oz., 20c.

Choice Mixed Double Annual. Pkt., 5c; $\frac{1}{4}$ oz., 20c.

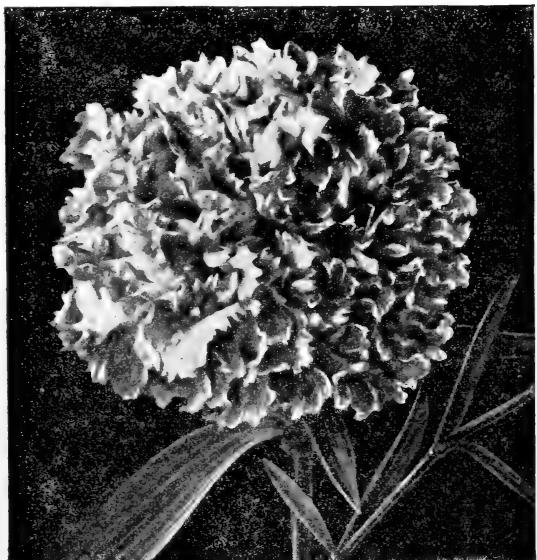
Lanceolata. A perennial, blooming the first year; flowers rich yellow, single; very fine for cutting. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

Grandiflora. Perennial. Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

CALCEOLARIA

Very handsome and much admired. Produces a profusion of beautiful flowers of unique form and colorings. Fine for pot culture.

Hybrida. Finest mixed. Pkt., 50c.



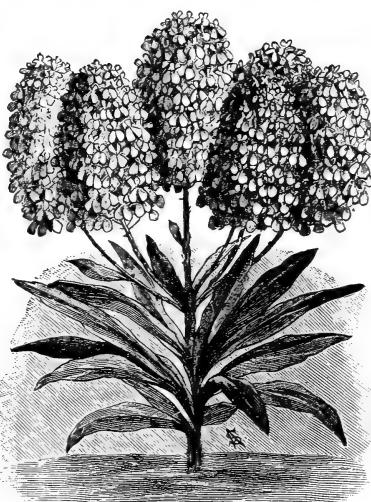
Grenadin Carnation.

CALENDULA, OR POT MARIGOLD

The well-known Pot Marigold, valued by Europeans for flavoring soups and stews. Flowers are dried in fall and kept in paper bags for use. In mild climates this plant will bloom nearly all the year round. Plant in early spring in open ground. Double mixed. Pkt., 5c; $\frac{1}{4}$ oz., 15c.

CATCHFLY, OR SILENE

A hardy annual, yielding for a long time a profusion of umbels of bright colored flowers. Pkt., 5c; oz., 25c.



White Empress. Candytuft.

CANARY BIRD FLOWER

Climbing plant with graceful foliage and yellow blossoms. Half-hardy annual. Pkt., 5c; $\frac{1}{4}$ oz., 15c.

CARNATION

Everblooming. Flowers in five or six months from sowing.

Extra Select, Double White, Pink, Red or Yellow. Pkt., 15c.

Extra Choice Double Mixed. Pkt., 15c.

Fine. Double Mixed. Pkt., 10c.

Grenadin. Scarlet; charming double scarlet; dwarf and compact; very early, free flowering; especially fine for borders. Pkt., 15c; $\frac{1}{8}$ oz., 75c.

MARGUERITE CARNATIONS

Bloom in Four Months From Seed. Separate colors, white, yellow, dark red, mixed. Pkt., 10c; $\frac{1}{8}$ oz., 30c.

CANTERBURY BELLS

Very ornamental garden plants of the easiest culture; hardy biennial, two and a half feet high, producing large, nodding and charming bell-shaped flowers of many exquisite shades.

Campanula. Single, mixed. Pkt., 5c.; $\frac{1}{4}$ oz., 20c.

Campanula. Double, mixed. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

Campanula. Calycanthema (Cup and Saucer). Mixed. Pkt., 5c; $\frac{1}{4}$ oz., 50c.

Persicifolia. Hardy perennial; very fine; blooms in June. Mixed. Pkt., 15c.

CASTOR BEAN, OR RICINUS

Highly ornamental, of stately growth and having large leaves of bronze or glossy green; of very easy culture.

Sanguineus. Brilliant scarlet. Pkt., 5c; oz., 20c.

COSMOS



Mammoth Flowering. White, pink, red or mixed. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

CENTAUREA

Odorata Chameleon. Grown for its handsome, fragrant, yellow and rose flowers; superb. Pkt., 10c; $\frac{1}{2}$ oz., 50c.

CINERARIA

Hybrida. Grandiflora, prize mixed. Extra choice. Pkt., 50c.

CLARKIA

Handsome, free flowering annuals of easy cultivation. Produce a fine effect massed in beds. Flowers are very bright and attractive. Double mixed. Pkt., 5c.

CELOSIA, OR COCKSCOMB

Graceful, free blooming, half-hardy annuals. Pkt., 5c.

President Thiers. Dwarf, crimson comb. Pkt., 10c.

COBAEA SCANDENS

A handsome, rapid-growing, climbing plant, having large, bell-shaped flowers, beautiful foliage and peculiarly delicate and curious tendrils. (Plants in season.)

Purple. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

COLUMBINE, OR AQUILEGIA

Sometimes known as Honeysuckle. Produces handsome flowers; perennial.

Best Double or Single Varieties, Mixed. Pkt., 5c; oz., 50c.

CYPRESS VINE, OR IPOMOEA QUAMOCЛИT

A climber of rapid growth, having handsome fern-like foliage and a profusion of bright, attractive flowers. White, scarlet or mixed. Pkt., 5c; $\frac{1}{4}$ oz., 15c.

DAISY, OR BELLIS PERENNIS

A well-known and popular, low-growing plant bearing beautiful flowers. Hardy perennial.

Longfellow. Double red. Pkt., 15c; 1-16 oz., 40c.

Double White or Mixed. Pkt., 15c; 1-16 oz., 40c.

Burbank's New Shasta. Very hardy; profuse bloomers; flowers very large and borne on long stems; single; petals pure, glistening white; center dark. Pkt., 15c.

ESCHSCHOLTZIA, OR CALIFORNIA POPPY

These are among our most beautiful and popular annuals, being of the easiest culture and giving great satisfaction.

Californica. Single yellow, white or mixed. Pkt., 5c; oz., 35c.

Mandarin.

Inner side of petals rich orange, outer side brilliant scarlet; very striking; single. Pkt., 5c; oz., 35c.

California.

Double mixed. Pkt., 5c; oz., 35c.



(For other sorts see Poppies.)

WILD CUCUMBER

A rapid-growing climber. Very good for covering old fences or trellises. Hardy annual. Pkt., 5c; oz., 25c.

FOUR O'CLOCK**Marvel of Peru**

A hardy annual, growing luxuriantly in any ordinary soil, and bearing a profusion of bright, handsome flowers of various colors, shades and markings. Flowers open at 4 o'clock, close in the morning.

Choice Mixed. Pkt., 5c; oz., 15c.

DAHLIA

A magnificent, fall-blooming tuberous-rooted plant, which can be readily started from seed.

For Dahlia Roots, see Plant Department.

Double mixed... Pkt., 10c.

Single mixed... Pkt., 10c.

Cactus. New; flowers odd and fantastic in shape; all colors.

Single mixed. Pkt., 10c.

Double mixed. Pkt., 20c.

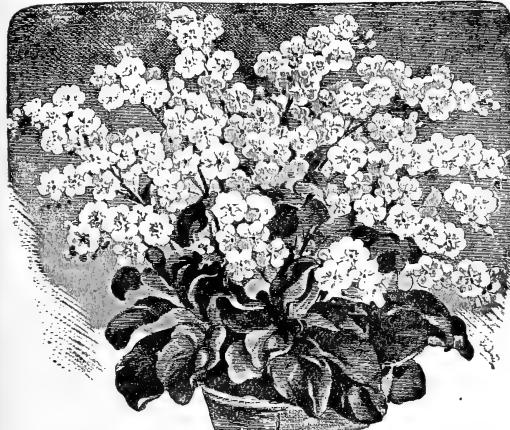
DATURA

Large, strong-growing plants, trumpet-shaped flowers, white, sometimes tinted with blue. Roots can be preserved in the cellar, like Dahlias.

Fastuosa Huberiana. Double mixed. Pkt., 5c.

FOX GLOVE, OR DIGITALIS

A tall growing biennial, with large leaves and spikes of vari-colored and spotted flowers. A magnificent plant. Fine for borders or background. Easily grown. Fine mixed or white. Pkt., 5c; $\frac{1}{4}$ oz., 15c.

**FORGET-ME-NOT, OR MYOSOTIS**

Beautiful, spring favorites, of easy growth, bearing clusters of lovely, small flowers. They are perennials and are hardy enough to remain in the open ground. Fine for borders.

Alpestris. Of trailing habit, with pretty flowers. Blue or mixed. Pkt., 10c.

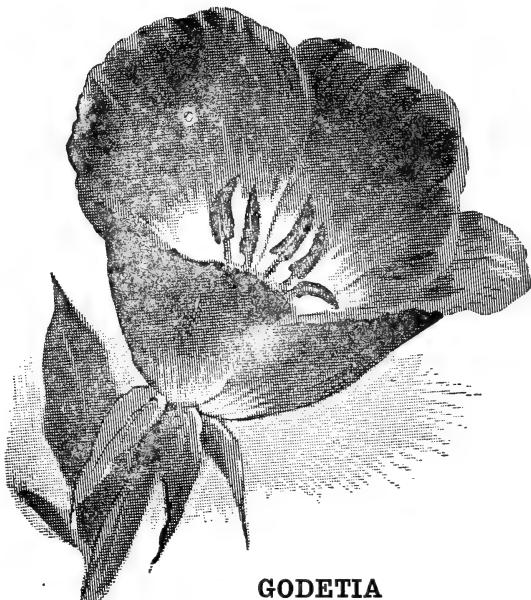
Victoria. Flowers large, bright, azure-blue; fine for cut flowers. Pkt., 10c.

GAILLARDIA

Picta. Large, handsome, mixed flowers. Hardy annual. Pkt., 10c; $\frac{1}{4}$ oz., 15c.

Mixed. Many shades of yellow, orange and scarlet. Pkt., 10c; $\frac{1}{4}$ oz., 15c.

Grandiflora Maxima. Perennial. Golden. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

**GODETIA**

The-Godetias are profuse and constant bloomers, and their delicate tints of crimson, rose and white render them very attractive. Hardy annuals.

Semi-Dwarf. Fine mixed. Pkt., 5c.

Gloriosa. Lord Roberts. Dark red, compact, fine. Pkt., 10c.

GYPSOPHILA, OR BABY'S BREATH

A pretty, free-flowering plant. Fine for bouquets.

Paniculata. Foliage fine; covered with tiny, pure white flowers. Hardy, perennial. Pkt., 5c.

GOURLDS

Of rapid growth, and bearing curious fruits of various sorts.

Dipper, bottle, egg-shaped. Pkt., 5c; oz., 25c.

HELIOTROPE

Mixed. Choice. Pkt., 10c.

Mammoth flowered. Blue, white or mixed; very fine. Pkt., 15c.

HOLLYHOCK, OR ALTHAEA

Double. White, crimson, pink, yellow, salmon, lilac and rose. Pkt., 10c; $\frac{1}{8}$ oz., 60c.

Mixed. All double varieties. Pkt., 10c; $\frac{1}{8}$ oz., 50c.

Allegheny. A popular variety with very large flowers, petals beautifully fringed and crinkled, coloring rich and attractive.

Double Choice Mixed. Pkt., 10c; $\frac{1}{8}$ oz., 30c.



Hillianthus.

HELICHRYSUM

Everlasting flower. One of the best for winter bouquets. Hardy annual. White, yellow and crimson. Double mixed. Pkt., 5c.

ICE PLANT

Pretty, summer, trailing annual for vases and rockwork; leaves covered with ice-like drops. Pkt., 5c; oz., 35c.

LANTANA

Hybrida Fine Mixed. Pkt., 10c; oz., 25c.

LARKSPUR, OR DELPHINIUM

A very ornamental class of profuse bloomings plants. Their tall spikes of many colored flowers produce a striking effect when planted in groups. Hardy annual.

Dwarf Rocket. Finest colors. Double mixed. Pkt., 5c; $\frac{1}{4}$ oz., 20c.

Tall Branching. Finest colors. Double. Pkt., 5c; $\frac{1}{4}$ oz., 20c.

Perennial Mixed. Single. Pkt., 5c; $\frac{1}{4}$ oz., 20c.

Tall Branching. Finest double mixed. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

Chinese Azureum. Single blue, fine for cutting. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

HILLIANTHUS.

The beautiful ever-blooming garden Spnflower. Pkg., 5c; oz., 25c; roots, 25c; doz., 25c. Cut No. 108.

SUPERIOR FERTILIZER

A most excellent fertilizer for roses, plants, lawns, as it contains all the ingredients necessary for the soil, as follows: Nitrate of soda, muriate of potash, phosphate, lime, etc. The analysis will be found on every pkg. and sack, as registered by the State Chemist at Washington State College, Pullman, Wash.

5-lb. pkg., 25 cts.; 25 lbs., \$1.75.

Don't fail to try it.

MARIGOLD, OR TAGETES

The French and African Marigolds are valuable for their flowers in summer, and can be grown to advantage in little clumps with other plants in the front of shrubberies or in the garden border. Color of flowers, yellow, red, brown and variegated.



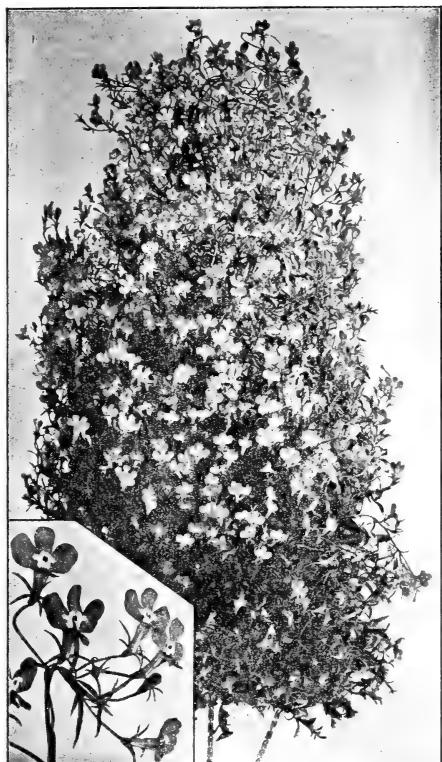
African. Tall or dwarf, double mixed. Pkt., 5c; oz., 40c.

French. Tall or dwarf, double mixed. Pkt., 5c; oz., 35c.

NEMOPHILA (Love Grove)

Hardy annuals of neat, dwarf, compact growth. Mixed varieties. Pkt., 5c.

LOBELIA



Gracilis. Blue, trailing; beautiful for baskets. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

Crystal Palace Compacta. Plant dwarf; flowers very fine and rich, deep hue; finest for bedding and edging. Pkt., 10c; $\frac{1}{8}$ oz., \$1.00.

Compacta. Finest mixed. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

MOON FLOWER, OR IPOMOEA MEXICANA GRANDIFLORA

Rapid growing climber belonging to the Morning Glory family. The flowers are large, waxy white and very showy. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

MIMULUS

Moschatus, or Musk Plant. Cultivated for its rich, musky odor. Should have a rich soil and ample moisture. Hardy perennial. Pkt., 10c.

NICOTIANA

Affinis. White. Pkt., 5c; $\frac{1}{4}$ oz., 25c.
Hybrida. Splendid mixed. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

MIGNONETTE



Odorata Grandiflora. Large, well-formed, fragrant flowers. Pkt., 5c; oz., 25c.

Machet. White Pearl. Splendid new variety; best white. Pkt., 15c; $\frac{1}{2}$ oz., \$1.00.

Machet. Ruby. Dwarf, compact; flowers red; fine. Pkt., 10c; $\frac{1}{2}$ oz., 50c.

Golden Queen. Dense, dwarf growth; flowers golden yellow; deliciously fragrant. Pkt., 10c; oz., 50c.

MORNING GLORY



Very fine for covering arbors, trellises, porches, etc. Dwarf varieties flower very freely and do not require support.

Convolvulus, Major. Tall, choice single, mixed, all colors. Pkt., 5c; oz., 15c.

Double Mixed Tall. Pkt., 10c; oz., 25c.

Convolvulus, Minor. Dwarf mixed. Pkt., 5c; oz., 25c.

Imperial Japanese Fringed. These have very large fringed flowers in a great variety of the most exquisite colorings; handsome, variegated foliage. Mixed. Pkt., 10c; oz., 25c.

....Japanese Double Mixed. This double Japanese sort is very fine in leaf, flower and growth. Pkt., 25c; oz., \$1.00.

NASTURTIUM

Nasturtiums are hardy annuals, of easy cultivation and flower best where the soil is not too rich. The new hybrids include various shades of rose, salmon, bright red, pale yellow, etc., either self-colored or spotted, mottled, striped and margined.

TALL OR CLIMBING NASTURTIUMS, LARGE FLOWERING

Golden Queen. New, finest and richest pure yellow. Pkt., 5c; oz., 15c.

Lilli Schmidt. Handsome, orange scarlet; large. Pkt., 5c; oz., 15c.

Crown Prince of Prussia. Flowers rich, dark blood red. Pkt., 5c; oz., 15c.

Giant of Battles. Light yellow, spotted with red. Pkt., 5c; oz., 15c.

Pearl. Cream white; very fine. Pkt., 5c; oz., 15c.

Vesuvius. Salmon rose; leaves dark; fine. Pkt., 5c; oz., 15c.

DWARF OR TOM THUMB SORTS, LARGE FLOWERING

Dwarf Pearl. Almost purewhite. Pkt., 5c; oz., 25c.

Ruby King. Ruby red; fine form; dark leaved. Pkt., 5c; oz., 25c.

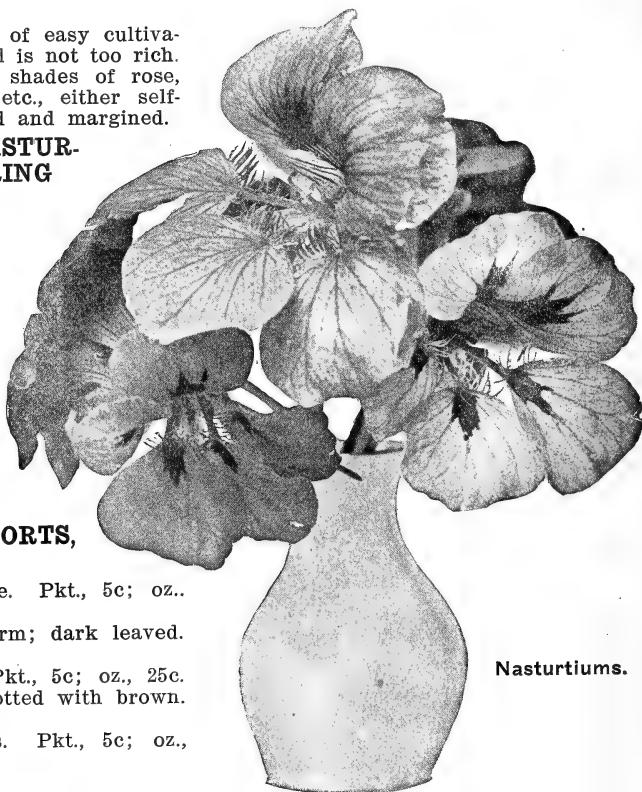
Sunlight. Finest of yellows. Pkt., 5c; oz., 25c.

Spotted King. Dark yellow, spotted with brown. Pkt., 5c; oz., 25c.

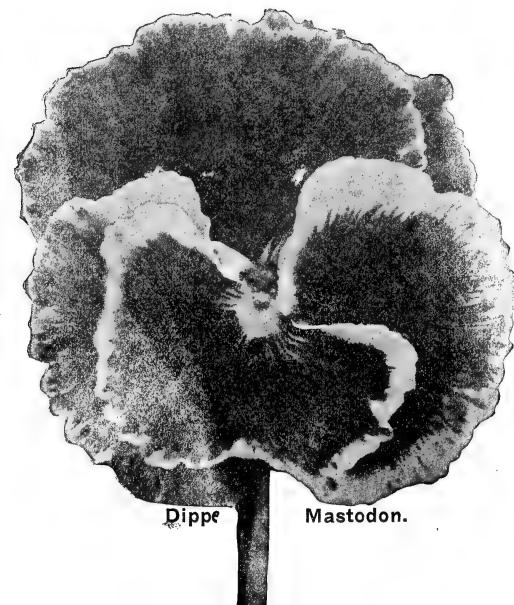
Dwarf Mixed. Finest varieties. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c.

NIGELLA

Love-in-a-Mist, or Devil-in-the-Bush. Compact growing, with curious looking flowers and finely cut foliage. Hardy annuals. Mixed. Pkt., 5c.



Nasturtiums.



PANSIES

Our Pansy seeds are imported direct from the leading Pansy specialists of Europe and are the best selections from the new and improved standard types; being absolutely the finest seed obtainable. It was from these that our new strain was developed and we urge growers to take advantage of this opportunity to secure seed.

For early outdoor bedding, seed should be sown in the early fall, in rich, moist garden soil or in cold frames. Spring sowings should be made early.

DIPPE MASTODON PANSIES

Pkt., 25c; trade pkt., \$1.00.

OUR GOLD MEDAL COLLECTION OF GIANT PANSIES.

One Packet Each of the Nine Varieties
75c.

Bridesmaid. A beautiful clear white with shining rose-colored blotch; a rare and desirable new Pansy of the largest size. Pkt., 15c.

Fire King. Lower petals margined white, with large magenta blotch that has a yellow margin; upper petals bright reddish bronze. Pkt., 10c.

Golden Queen. A rich pure yellow of the grandest form and size. Pkt., 10c.

Giant Stripped. A superior strain of truly giant Pansies, with the most beautiful striped markings in the richest dark shades. Very popular in Europe. Pkt., 10c.

Ruby King. Rich shades of red, a superb variety, of fine form and substance. Pkt., 15c.

Snow Flake. A grand pure white, of extra fine quality. Pkt., 10c.

Vulcan. A magnificent new dark glowing red with five large black spots; blooms of perfect form and great substance, but its chief value lies in the superb coloring which has never been attained before. Be sure to try "Vulcan." Pkt., 25c.

Emperor William. A dainty cornflower, blue, very showy; a splendid variety of large size and good substance. Pkt., 10c.

King of the Blacks (Giant). Immense velvety black flowers of the finest quality; the largest and best black Pansy. Pkt., 10c.

Trimardeau Giants. Of remarkably large size and robust growth; very fine.

White, Yellow, Striped, Black, Blue or Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 60c; oz., \$2.00.

Masterpiece. Giant Ruffled. The mammoth size, richness and beauty of colorings and frilled or ruffled character of the petals, make Masterpiece one of the most distinct and interesting Pansies ever developed. Pkt., 25c.

FANCY STRAINS OF MIXED

Cassier. A very fine mixture; flowers large and marked with three or five blotches. Pkt., 25c.

Odier or Blotched. Superb, large flowers, beautifully blotched with rich and varied colors. Extra mixed. Pkt., 25c.

Bugnot. Flowers of enormous size, blotched and vined; the shadings comprise tints of red bronze and brown not found in any other mixture. Pkt., 25c.

Fine Mixed. A fine assortment of colors. Pkt., 5c.

PETUNIA, HYBRIDA

Single Fine Mixed. Pkt., 5c. $\frac{1}{8}$ oz., 25c.

Single Choicest Mixed. Saved from the best flowers. Pkt., 10c; $\frac{1}{8}$ oz., 50c.

Double Choicest Mixed. Full and handsome. Pkt., 25c.

PAMPAS GRASS, OR GYNERIUM ARGENTEUM

A noble ornamental grass, easily grown from seed, producing majestic plumes, that are invaluable for winter decoration. Pkt., 5c.

PERILLA NANKINENSIS

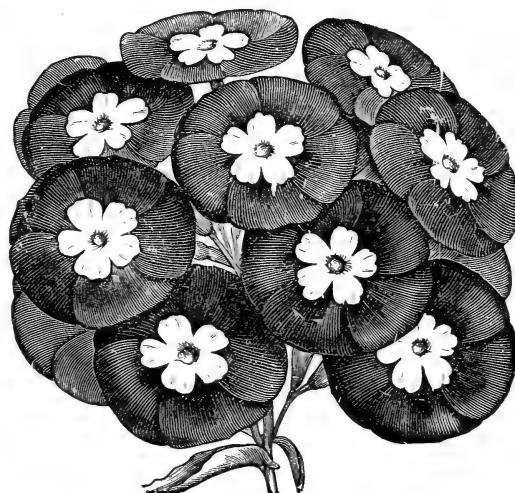
Dark purple foliage plant. Half-hardy annual. Pkt., 5c.

PASSION FLOWER, OR PASSIFLORA

Most interesting and well-known climbers, bearing singularly beautiful flowers.

Mixed. Pkt., 10c.

PHLOX DRUMMONDII



The blooms of Phlox Drummondii are unrivaled for richness and beauty of color, ranging from white to the deepest scarlet and purple. They are abundant, almost covering the foliage, and of long duration. Hardy annual, one foot high.

Choice Mixed. Pkt., 5c; $\frac{1}{4}$ oz., 50c.

Large Flowering. Mixed; flowers large and brilliant. Pkt., 5c; $\frac{1}{4}$ oz., 60c.

Large Flowering. Scarlet or white. Pkt., 5c; $\frac{1}{4}$ oz., 75c.

Dwarf. Mixed; finest flowering sorts. Pkt., 10c; $\frac{1}{8}$ oz., 50c.

Star Phlox (Cuspidata). Flowers have a distinctive star-like appearance, with white margins; excellent for bouquets. Pkt., 10c; $\frac{1}{4}$ oz., 60c.

PHLOX DECUSSATA

Hardy perennial; mixed. Pkt., 10c; $\frac{1}{8}$ oz., 50c.

PINK, OR DIANTHUS

Hedgewigii Diadematus. Double Diadem Pink. Extra fine. Pkt., 5c; $\frac{1}{4}$ oz., 35c.
Hedgewigii Fireball. Extra double, brilliant dark scarlet. Very beautiful. Pkt., 10c; $\frac{1}{4}$ oz., 75c.

Chinensis. Single mixed. Pkt., 5c; $\frac{1}{4}$ oz., 15c.

Chinensis. Double mixed. Pkt., 15c; $\frac{1}{4}$ oz., 75c.

Hedgewigii. Double mixed, large flowering; splendid. Pkt., 10c; $\frac{1}{4}$ oz., 75c.

POPPY, OR PAPAVER

Double Carnation Flowered. Fringed; colors are dazzling. Mixed. Pkt., 5c; oz., 25c.

Shirley. Best single mixed. Pkt., 5c; $\frac{1}{2}$ oz., 25c.

Iceland, or Nudicaule. These are of a very graceful, neat habit, with bright green, fern-like foliage, bearing yellow, white or orange-scarlet flowers in endless profusion and most useful for cutting; hardy perennial.

Mixed colors. Pkt., 10c; oz., 25c.

Miss Sherwood. Petals satiny white, shading to chamois rose. Very beautiful and distinct. Pkt., 10c; oz., 25c.

PORTRULACA, OR ROSE MOSS

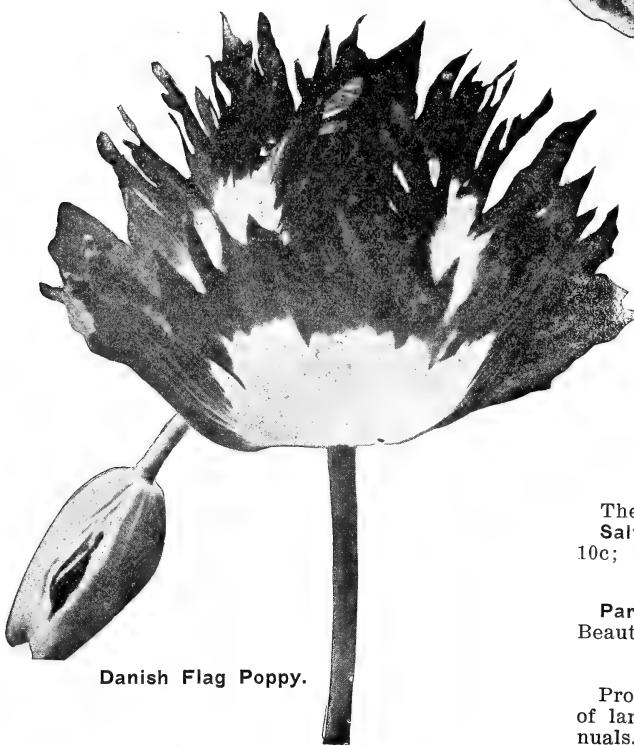
Brilliant dwarf annuals, only six inches high, luxuriating in warm situations, and blooming profusely from early summer to autumn. For low beds and masses of color from spring until frost, they are indispensable.

Single Mixed. Pkt., 5c; $\frac{1}{4}$ oz., 25c.

Double Mixed. Pkt., 10c; 1-16 oz., 25c.



Oriental Poppy.



Danish Flag Poppy.

Danish Flag. White, bordered with scarlet. Pkt., 5c; oz., 30c.

Umbrosum. Rich vermillion, with a glossy, black spot on each petal; single. Pkt., 5c; oz., 30c.

Oriental. Hardy perennial; very showy red. Pkt., 5c; $\frac{1}{4}$ oz., 20c.

California Poppy. Pkt., 5c; $\frac{1}{4}$ oz., 25c.

SALVIA, or Flowering Sage

The finest of all Dwarf Salvias. Pkt., 15c.
Salvia Splendens. Brilliant scarlet. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

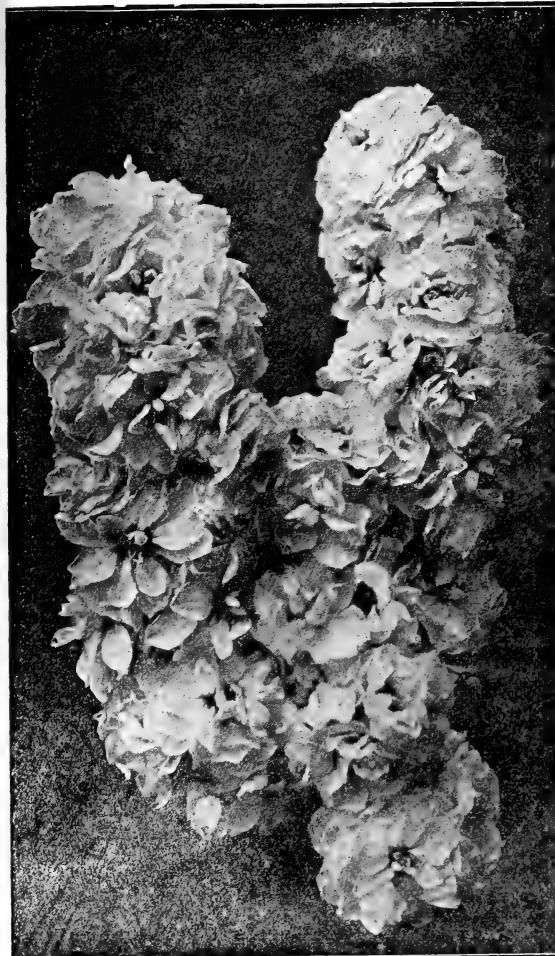
PYRETHRUM

Parthenium Aureum, or Golden Feather. Beautiful, gold-leaved, flower white. Pkt., 10c.

SALPIGLOSSIS

Produces very showy, funnel-shaped flowers of large size. Fine for beds. Half-hardy annuals.

Fine Dwarf, Mixed. Pkt., 5c; $\frac{1}{4}$ oz., 25c.



New German Ten Weeks' Stock.

STOCKS—Double Ten Weeks

These popular flowers are easily grown, and are so highly fragrant and of such beauty that they deserve a place in every garden. They are great improvements over the Gilliflowers of the olden times, being much larger and more densely double, and of a greater variety of colors.

THREE FINE NAMED STOCKS**Splendid for Forcing**

Dwarf Large Flowering. White, scarlet, rose, light blue or mixed. Pkt., 10c; $\frac{1}{8}$ oz., 50c.

Winter, or Brompton. Mixed. Pkt., 10c; 1-16 oz., 50c.

Giant Perfection. Handsome pure white. Pkt., 15c; $\frac{1}{8}$ oz., 75c.

Giant Perfection. Double mixed. Pkt., 10c; $\frac{1}{8}$ oz., 25c.

Virginian Stock.

A fine, early flowering plant. Hardy annual. **Mixed.** Pkt. 5c; $\frac{1}{8}$ oz., 15c.

PRIMULA, or Primrose

Polyanthus. Early blooming, dwarf growing plants. Valuable for outdoor bedding. Mixed colors. Pkt., 10c; 1-16 oz., \$1.00.

Sinensis. Pure white or red. Pkt., 25c.

Sinensis. Double finest mixed. Pkt., 50c.

Obconica Grandiflora. Pkt., 10c; 1-16 oz., \$1.50.

PRIMROSE, EVENING

Fine Mixed. Pkt., 5c; $\frac{1}{4}$ oz., 25c.

STATICE, OR SEA LAVENDER

Beautiful for winter bouquets; flowers very pretty.

Annual Varieties. Mixed. Pkt., 5c.

STIPA PENNATA

Feather Grass. Grown for their plumes. Pkt., 10c.

OUR SUPERIOR FERTILIZER WILL MAKE YOUR FLOWERS BLOOM.

SCABIOSA

Free-flowering annuals; colors, white, carmine, lilac, maroon, etc. Very effective for garden decoration and valuable for cutting.

Dwarf or Tall Double Mixed. Pkt., 5c; $\frac{1}{4}$ oz., 15c.

SNAPDRAGON, or Antirrhinum

One of the most useful and showy of border plants, of almost every color, and striped as beautifully as Carnations. They have recently been much improved and are now really magnificent. Hardy perennials.

Tall, Finest Mixed. Pkt., 5c; $\frac{1}{4}$ oz., 20c.

Dwarf, Finest Mixed. Pkt., 5c; $\frac{1}{4}$ oz., 20c.

SUNFLOWER, or Helianthus

Double Dwarf. Covered with three-inch double flowers of brightest golden yellow. Pkt., 5c; oz., 25c.



Schizanthus.

"WILD FLOWER GARDEN"**(or Mixture of All Kinds of Flower Seeds)**

The seeds we offer for the "Wild Flower Garden" are a mixture of over 150 different varieties, and being mixed can be offered at a much less price than when sold in separate packets. No one, not having such a bed, can form an idea of its beauty, the different seasons of bloom insuring something new almost every day. Large pkt., 10c.

We aim to give our customers Highest Quality, Right Prices, Honest Treatment, Prompt Shipment.

SCHIZANTHUS

Beautiful, garden annuals, flowers charmingly fringed and delicately colored; one to two feet.

Mixed Colors. Pkt., 5c; $\frac{1}{4}$ oz., 15c.

VERBENA.

Hybria Choicest Mixed. Very finest. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

Mammoth Mixed. Selected; extra large, fine. Pkt., 15c; $\frac{1}{4}$ oz., 35c.

Fine Mixed. Pkt., 5c; $\frac{1}{4}$ oz., 35c.

VIOLET

The Czar. Finest forcing Violet. Very large, dark blue. Pkt., 25c; $\frac{1}{6}$ oz., \$1.00.

Odorata Blue. Very fragrant. Pkt., 10c; $\frac{1}{8}$ oz., 50c.

WALL FLOWER

Mixed, Single. Large flowering. Pkt., 5c; $\frac{1}{4}$ oz., 25c.

Finest Double Mixed. Branching. Pkt., 10c; $\frac{1}{8}$ oz., 75c.

ZEA, or Ornamental Maize

Japonica Variegata. Finest mixed. All varieties. Pkt., 5c; oz., 20c.

Gracillima Mixed. Pkt., 5c; oz., 20c.

ZINNIA ELEGANS

Of easiest cultivation and should be in every collection. Half-hardy annuals.

Tall Double, Mixed. Pkt., 5c; $\frac{1}{4}$ oz., 25c.

Dwarf Double, Mixed. Pkt., 5c; $\frac{1}{4}$ oz., 25c.

Dwarf Scarlet. Pkt., 5c; $\frac{1}{4}$ oz., 25c.

No better seeds can be found at any price.

SWEET ROCKET, or Hesperis

An old hardy garden favorite. Fragrant white flowers; two to three feet. Pkt., 5c; $\frac{1}{4}$ oz., 15c.

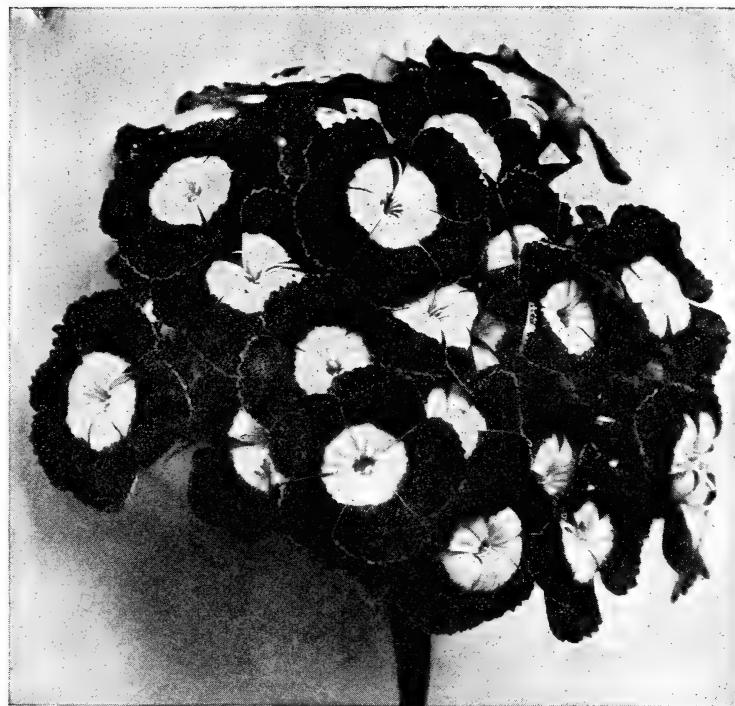
SWEET SULTAN, or Centurea

Favorite annual of easy culture. Showy for the garden and greatly prized for bouquets. The large heads of bright flowers are very fragrant; 1* feet.

Mixed Colors. Purple, white, etc. Pkt., 5c; $\frac{1}{4}$ oz., 25c.

SWEET WILLIAM

Single Mixed. Very beautiful. Pkt., 5c; $\frac{1}{2}$ oz., 25c.



Sweet William.

SWEET PEAS

Our famous Sweet Peas are selected with critical care and we offer the best productions of the foremost growers, including the latest, most valuable novelties.

Culture. Plant as early in the spring as the condition will permit. If the ground is well drained earlier flowers can be had from fall plantings. The ideal soil is cool, moist and well drained, and should be dug up the previous fall, manure well worked in, and left to lie in the rough through the winter. In the early spring work this down enough to plant as soon as conditions will permit

Seeds should be sown at the rate of one ounce to 25 feet. Make a trench about three or four inches deep, planting the seeds in the bottom; cover one inch deep, pressing the soil down firmly. After the plants are well up, thin to four or five inches apart and draw the soil around them until the trench is filled above the level. This gives a depth to the roots, preserving the moisture. Keep the ground well worked and watered.

Dainty—Spencer. A pure, glistening white with distinct margining of bright rose pink; comes four blossoms on long stems. Dainty is all its name implies and is the best picotee edge yet produced; very large and wavy. Pkt., 15c.

America—Spencer. The largest and finest of its class. Pure satiny white, striped and splashed brilliant crimson; four flowers of perfect form borne on long stems. Pkt., 15c.

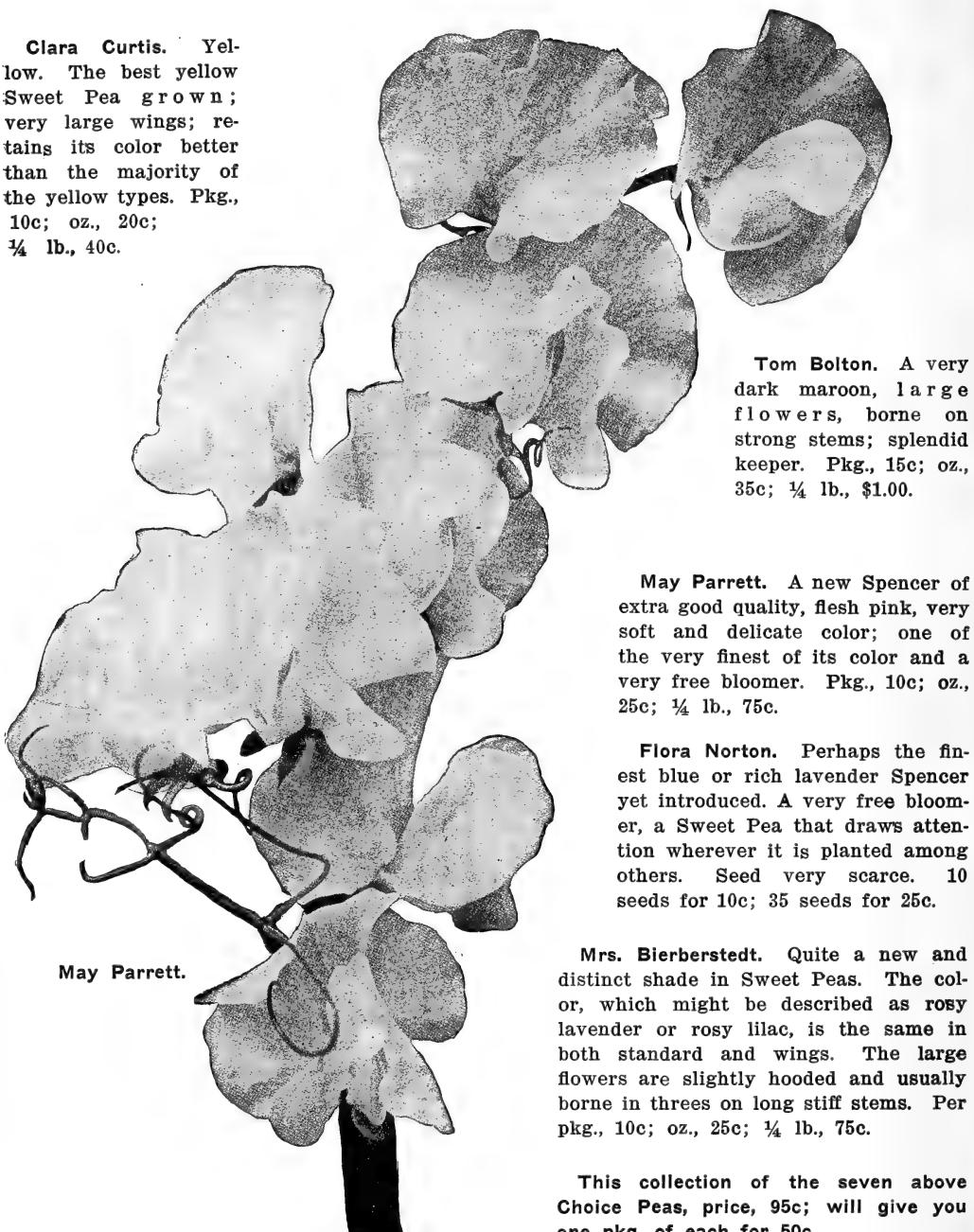
Emily Eckford—Spencer. A beautiful soft purple mauve, turning to blue, of finest form and substance; four large, wavy blooms on each long stem. A very desirable new Spencer. Pkt., 15c.

W. T. Hutchins—Spencer. A magnificent buff, overlaid with bright blus pink, lemon throat. A fine, large flower, crinkled and waved, of the most advanced Spencer form. Very vigorous, free blooming, with long stems. Pkt., 15c.

Constance Oliver. New, rose-pink with creamy-yellow ground color; standards and wings are charmingly waved and crimped, usually four large beautiful flowers, well placed on very long, stiff stems. Pkg., 15c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

Clara Curtis. Yellow. The best yellow Sweet Pea grown; very large wings; retains its color better than the majority of the yellow types. Pkg., 10c; oz., 20c; $\frac{1}{4}$ lb., 40c.

Frank Dolby. A lovely light lavender of the Unwin type; wavy standard and widely spreading wings, beautifully fluted. Pkg., 10c; oz., 25c; $\frac{1}{4}$ lb., 50c.



May Parrett.

May Parrett. A new Spencer of extra good quality, flesh pink, very soft and delicate color; one of the very finest of its color and a very free bloomer. Pkg., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

Flora Norton. Perhaps the finest blue or rich lavender Spencer yet introduced. A very free bloomer, a Sweet Pea that draws attention wherever it is planted among others. Seed very scarce. 10 seeds for 10c; 35 seeds for 25c.

Mrs. Bierberstedt. Quite a new and distinct shade in Sweet Peas. The color, which might be described as rosy lavender or rosy lilac, is the same in both standard and wings. The large flowers are slightly hooded and usually borne in threes on long stiff stems. Per pkg., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

This collection of the seven above Choice Peas, price, 95c; will give you one pkg. of each for 50c.



Enchantress.

Mrs. Routzahn. Color, a soft straw tinted with blush pink, shading to pricot and rose at the edges, with a distinct rose margin; of immense size; one of the finest Spencers. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c.

Paradise. Most beautiful of the light pinks; flowers four to the stem, of grand size and substance, finely expanded and beautifully waved, perfectly self-colored; the most delicate soft pink. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c.

Geo. Herbert. Our own select strain; a bright, rosary carmine, open form, beautifully waved; a magnificent, vigorous Sweet Pea of giant size. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c.

King Edward Spencer. Bright crimson scarlet, largest size, wavy standard, drooping wings, very long stems; one of the finest bright reds. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c.

Enchantress. Standard and wings of light blush pink with blotch of rose at the base; entire flower suffused with soft buff. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c.

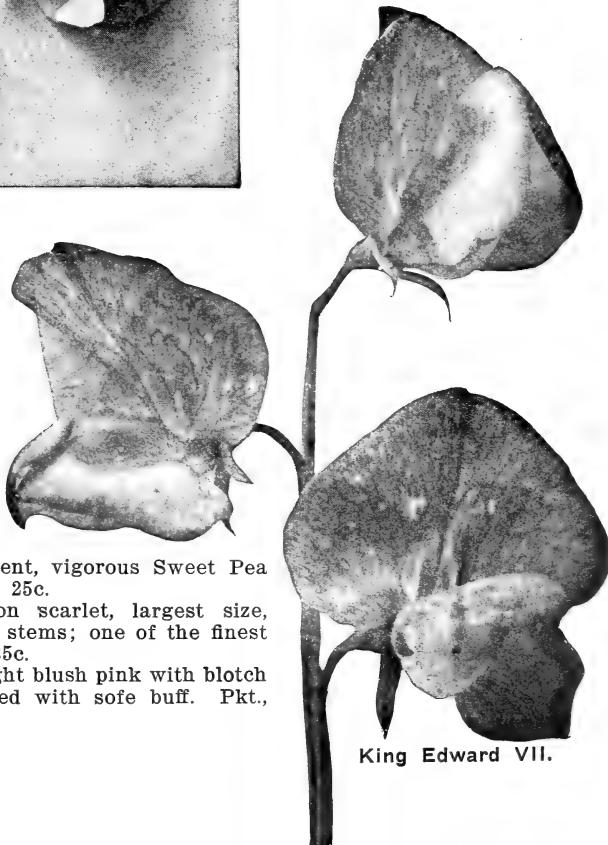
One pkg. each of the following 12 varieties for 75 cts.

12 Varieties, 10c Each, \$1.20; All for 75c.

Queen Alexandra—Spencer. We will all welcome Queen Alexandra in Spencer form, as there is no better, bright, intense scarlet, sunproof Sweet Pea. Of large, full, waved form. Free flowering and vigorous. Pkt., 15c.

Apple Blossom Spencer. A truly giant flower; color standard rose with deeper veining, wings light carmine, ground color, primrose. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c.

Asta Ohn. Lavender, suffused with mauve; of perfect form, largest size, four blossoms on long stems; very vigorous. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c.



King Edward VII.



Primrose Spencer. Color, a true primrose. Very vigorous, free-flowering, excels in beauty of form, length of stem and keeping qualities. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c.

Mrs. Walter Wright. A distinct bright Blue Spencer, extra large, fine flower, waved and ruffled, vigorous and free flowering. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

White Spencer. Largest and best of all white Sweet Peas. Pkg., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Countess Spencer, Pink. The first Sweet Pea of the Spencer type. Flowers extremely large, beautifully expanded, crumpled and waved. Color silvery white, suffused and tinted with soft shell pink, deeper at the outer edges. Pkt., 15c; $\frac{1}{2}$ oz., 20c; oz., 35c.



Use Superior Fertilizer for Sweet Peas.

5 lbs. . . . 25c

10 lbs. . . . 50c

35 lbs. . . . \$1.25

Analyzed by the State Chemist, Pullman College.



NEW "UNWINS"

6 Splendid New Sweet Peas in This Popular Class for 50 Cents

E. J. Castle—Crimson Rose. A magnificent open form flower of grandest size and unique coloring, being a rose crimson veined deeper rose, its brilliancy being enhanced by artificial light; fluted border. 10c; oz., 25c.

Gladys Unwin—Light Pink. A large, bold flower, not hooded, but with standard and broad wings. Of the new orchid-flower type, this is similar to Countess Spencer, but several shades lighter in its lovely color. 10c; oz., 25c.

Nora Unwin—White. A grand new pure white of the same beauty of form, waved and fluted standard and wings, as Gladys Unwin. Flowers of grand substance, borne three on long stems. This pea was given an award of merit at the trials of the N. S. P. S., Reading, England, and is one of the finest whites. 10c; oz., 25c.

Prince Olof. A fine new Unwin of largest size. Flaked and striped blue on a white ground. Pkt., 10c; oz., 25c.

Mrs. Alfred Watkins. Color of standard pink, shading to buff and blush at edges. Wings blush shading to rose edge. Magnificent flowers of large, open, wavy form. A splendid new pea. Pkt., 10c; oz., 25c.

Phyllis Unwin—Deep Rose. The largest of the Unwin types, beautifully waved and crinkled, standard upright, wings broad. Flowers 3 to 4 on long stems. Color a rare shade of deep rose self-color. Pkt., 10c; oz., 25c.

Four Superb Spencer Sweet Peas

THE CHOICE OF 1912 INTRODUCTIONS IN NEW AND RARE VARIETIES

Exquisite in colors and size.

Masterpiece. This beautiful new Lavender Sweet Peas has been acknowledged throughout the world as by far the largest and most exquisite Lavender Sweet Pea yet grown. Pkg. of 35 seeds, 15c $\frac{1}{4}$ oz., 25c; oz., 60c.

Mrs. Duncan. We are offering you what we think at least one of, if not the finest bright scarlet Sweet Peas ever introduced. Almost sunproof; borne on stiff stems. Pkg., 35 seeds, 10c; $\frac{1}{2}$ oz., 25c; oz., 40c.

Prince of Asturias. This most wonderful and brilliant shade of maroon makes it without question by far the best of real dark colored Spencers. Pkg., 35 seeds, 10c; $\frac{1}{2}$ oz., 25c; oz., 35c.

Nell Gwynne. A most remarkable soft salmon ping flower, very large; borne on long stem, very large size; the standard is broad and deep, wings very large. Pkg. 35 seeds, 10c; $\frac{1}{4}$ oz., 20c; oz., 50c.



NELL GWYNNE

1 package each mailed to you for 25c. Don't be without them.

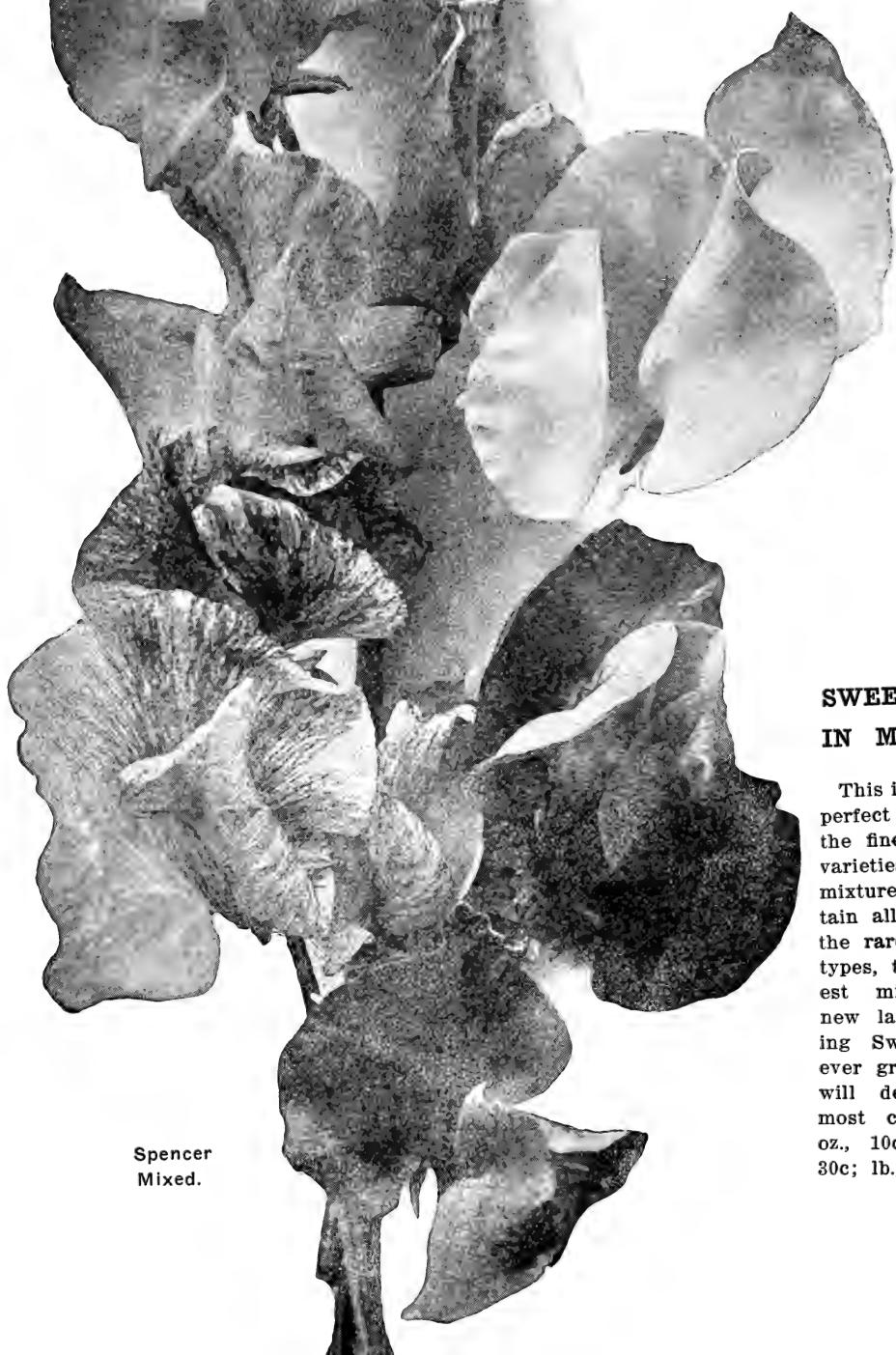
Compare our prices and quality of Sweet Peas with the leading Eastern seed houses and you will find we are more than reasonable in our charges.

Our Sweet Pea Seeds are grown under the supervision and direction of a recognized Sweet Pea expert who has introduced many of the finest varieties of Sweet Peas under cultivation now.

You will be satisfied if you try our Seeds. Spencer Mixture.

OUR SUPURB MIXTURE True Spencers Only

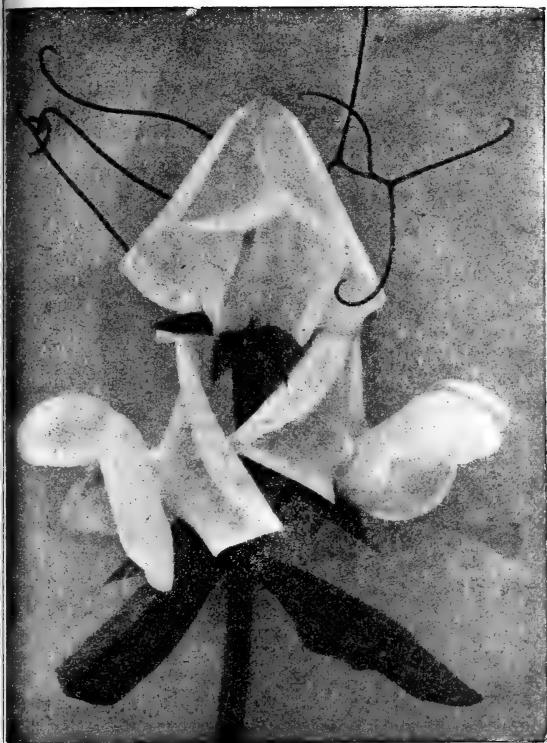
A splendid mixture, carefully proportioned and blended to produce pleasing and harmonious combinations of color, containing the most beautiful shades and variatios of the wonderful Spencer types. These are not seedling, but carefully selected named varieties that retain all their purity and brilliancy of color. Price, pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.



Spencer
Mixed.

**SWEET PEAS
IN MIXTURE**

This is the most perfect blend of the finest named varieties. As this mixture will contain all novelties the rare Unwin types, the grandest mixture of new large-flowering Sweet Peas ever grown. It will delight the most critical; 1 oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., \$1.00.



Mont Blanc.

Select List of Finest Large Flowering Sweet Peas, the Best of Their Color Grandiflora Type

WHITE

Prices, unless otherwise stated, 5c per pkt.; 15c per oz., 35c per $\frac{1}{4}$ lb.; \$1.00 per lb.; 6 pkts., 25c. Postpaid.

Dainty. White, with pink edge.

Mont Blanc, New. Earliest-flowering white.

Nymphaea. White, running pink; large, semi-hooded form.

Shasta. Very large pure white. Far superior to Emily Henderson.

Dorothy Eckford. Pronounced by Sweet Pea experts to be the grandest pure white yet seen of the grandiflora type. Grows an enormous mass of bloom.

PINK AND WHITE

Earliest of All. An improved strain of the very popular Blanche Ferry, beginning to flower fully a week earlier.

Blanche Ferry. Standard wide and erect, bright rose-pink; wings are creamy white, tinted with rose.

PINK—Deep Shades

Janet Scott. A large, grand flower; deep, rich pink.

Jeanie Gordon. Very attractive; bright rose, shaded cream; slightly hooded; flowers large.

PINK—Light Shades

Countess of Lathom. Fine, large flowers. A soft, cream tint heavily shaded with soft flesh-pink in the center of the standard and wings, shading much lighter at the edges.

Dainty. Large flowers, white with pink edge.

Lovely. The most beautiful shades of soft shell-pink, changing to very light rose at the outer edges. Grand flowers of large size.

Prima Donna. A most beautiful bright shade of blush-pink. Flowers of large size and finest form.

CREAM OR LIGHT YELLOW

Golden-Rose. The large flowers are of fine open form, with standard gracefully fluted. A clear crimson-yellow, beautifully flushed with rosy pink.

Hon. Mrs. E. Kenyon. Rich, primrose. A bold, giant flower. The best in this shade.

Sybil Eckford. A unique shade of apricot-lemon; one of the finest Eckfords.

LAVENDER

Flora Norton. A beautiful rich lavender, free from mauve or pink; large.

Lady Grisel Hamilton. Most attractive light lavender shading; flowers of large size.

BLUE AND PURPLE

Captain of the Blues. The flowers have the appearance of being a true blue.

Mrs. Geo. Higginson, Jr. A new shade, "sky blue;" good size.

Navy Blue. Large flowers, deep, glowing violet-purple, having the effect of a dark navy blue.

Lord Nelson, or "Brilliant Blue." A brilliant dark navy blue with tips of wings a lighter blue. Giant flowers, slightly hooded.

BLUE AND WHITE

Helen Pierce. The most beautiful bright shade of true blue mottled on a brilliant pure white ground; 3 or 4 blossoms on long stem. A grand flower of the largest size; very free and vigorous.

Maid of Honor. Flowers beautifully shaded with light blue on a white ground and boldly edged, deep rich violet; very dainty.

RED, SCARLET AND MAROON

Queen Alexandra. An intense bright scarlet of grand substance; a bold, robust flower of giant size and finest form, is sun-proof, very vigorous and free flowering.

King Edward VII. A lovely, intense crimson. A truly giant-flowered variety. The finest crimson to date. Strong stems and growth.

Prince of Wales. Rose crimson, fine sort.

Lord Rosebery. Fine form and substance; very free-flowering and robust. The flowers borne on long stems, are of a rose carmine, showing veins of deeper rose.

Black Knight. Large size; a rich, dark claret, almost black; somewhat veined.

Lilium

NO herbaceous border, shrubbery border or wild garden is complete without a liberal representation of these most graceful and charming flowers. For chasteness and beauty of color and magnificence of form, the Lilium stands pre-eminent. Contrary to general expression, they are of the easiest culture and will thrive and bloom in almost any situation except dense shade. They are equally decorative and attractive as a cut-flower for the house.

LILIUM LONGIFLORUM

Multiflorum. Very much like the Lilium Harrisii, but preferred by many to that variety, as they are stronger and less liable to disease. They do not come into bloom quite so early, but the flowers are of better substance and more extensively used by florists for forcing for Easter and for cut flowers. When grown in the open ground they bloom in June and July. Can be planted in the spring or fall.

Mammoth bulbs:

Each, 20c; doz., \$2.00; 100, \$15.00

Large bulbs:

Each, 15c; doz., \$1.50; 100, \$10.00

LILIUM CANDIDUM

This is the ever popular, fragrant, snow-white, hardy garden Lily. It grows four to five feet high, and blooms in the open ground in June. When grown in bold masses or in rows these Lilies are especially effective. The brilliancy of their snow-white flowers against surrounding greenery of shrubs, grass and trees is very telling. See cut. Our stock is imported from the Azores, the finest obtainable; should be planted early.

First size, Each, 15c; doz., \$1.50; 100, \$10.00

LILIUM SPECIOSUM

No words can overstate the brilliant beauty of this charming class. Its six broad, pure white, or pink petals thickly dotted with rose or carmine spots, and the graceful form, brilliant color and exquisite fragrance make this one of the most effective and desirable of the lily family. They are profuse bloomers and last* for days after being cut and put in water.

Each, 20c; doz., \$2.25; 100, \$15.00

LILIUM LONGIFLORUM

Giganteum. Of grand size and substance; superior to the Multiflorum but forces a little later; especially fine for open ground.

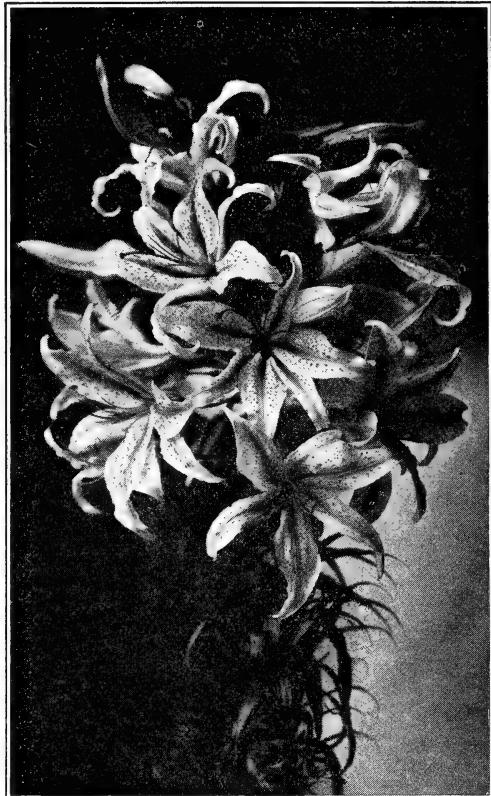
Mammoth bulbs:

Each, 15c; doz., \$1.75; 100, \$12.00

Lilly Bulbs. You can leave in the ground from year to year and make a beautiful show in the garden. Our Bulbs are imported direct from Yokohama, from Japan's largest growers. Try a few. They will give you great pleasure.

AURATUM PICTUM

Same as Auratum, except gold band shades into bright crimson at margin. A rare and beautiful lily. Each, 40c; doz., \$3.50, postpaid



LILIUM AURATUM

The handsomest and one of the best known of the Japan Lilies. Its immense ivory-white flowers are thickly studded with yellow and crimson spots, while in the center of each petal is a gold band fading at its edges into white; very fragrant. The choice bulbs we offer, with only fairly good culture, give from five to ten magnificent flowers, and under good cultivation will, after becoming well established, give from ten to fifty. They bloom from June to October.

Each, 15c; doz., \$1.50; 100, \$10.00

AURATUM PLATYPHYLLUM

This is without a question one of the most wonderful Lilies in cultivation. The leaves are very long and broad, and the stems attain a height varying from seven to ten feet. The flowers are similar in color to Auratum, heavily spotted, but are much larger, the petals more overlapping, and of greater substance. Large bulbs: Each, 20c; doz., \$2.00; 100, \$15.00

NEW LILIUM MAGNIFICUM

As its name implies, this new lily from the southern island of Japan, is the most magnificent of the wonderful Speciosum Lilies. It is of the Rubrum variety, closely allied to Speciosum Melpomene, but of much richer color and grander size. Should be in every collection. Price, large bulbs:

Each, 20c; doz., \$1.50; 100, \$10.00.

NEW AND BEAUTIFUL LILIES

Lilium Coridian.

Yellow, with brown spots, each, 25c; doz., \$2.50

Elegans.

Extra choice red.....Each, 15c; doz., \$1.50

Calla Lillies. (Lily of the Nile.) White.
Each, 10c

Calla Lillies. Yellow, fine bloomer.
Each, 25c

LILY OF THE VALLEY

Fancy Berlin Pips. One of the most satisfactory and charming spring flowering plants, producing in profusion its delicate bell-shaped, white flowers. Thrives in any common soil, are perfectly hardy, and will succeed in shady situation. They can be left undisturbed in the open ground, where they will increase from year to year. November to March.

Selected Pips, for forcing indoors or planting outside. Each, 5c; doz., 35c; 100, \$2.50

AMARYLLIS

Johnsonie (Bermuda Spice Lily). This immense trumpet flower measures six to eight inches across; color, rich velvet crimson.

Choice bulbs, each, 35c; 3 for 90c

BELLADONNO MAJOR

Belladonna Major (Belladonna Lily). Autumn blooming variety of extreme beauty and fragrance; the spikes grow from two to three feet high, each carrying from six to twelve beautiful flowers, "sweet as lilies," of silvery white, flushed and tipped with rose.

Choice bulbs, each, 25c; 3 for 60c

CACTUS DAHLIA NOVELTIES

The below named Dahlias sold as high as \$5.00 each in Europe. We offer one each of the eight varieties for \$4.00.

Curt Englehardt. Color brilliant, deep, fiery crimson, beautiful star-shaped flower; "whter at tips, which are quilled; free bloom-

SPANISH IRIS

(*Iris Hispanica*)

Spanish Iris is the most useful and satisfactory Iris, growing to perfection in any good garden soil. They are hardy, early and free blooming, keeping well when cut.

The varieties listed are best of their colors.

Blanche Fleur. A grand white flower of great substance.

Louise. A beautiful light blue, large, splendid flower.

Emperor. A splendid new light yellow of great merit.

Darius. A pleasing light blue, very early. Finest named varieties.

Each, 5c; doz., 30c; 100, \$2.00

Angelica. A beautiful iris, easy to grow, makes a wonderful show in any garden. Fine, mixed.

Per doz., 50c; per 100, \$3.50.

Kaempferi. Very large, showy; blue, lavender, white, cream. Each, 15c; doz., \$1.00

GERMAN IRIS

German Iris is one of the best of the early spring flowers, is hardy everywhere, and if planted in a moist situation or watered freely, will produce magnificent orchid-like blooms of great size and delightful fragrance. Comes in charming color effects in blues, browns, yellows, purples, white.

Florentine Alba—White.

Celeste—Satiny Blue.

Spostabilis—Violet Purple.

Shakespeare—Bronze Violet.

Mars—Light Yellow and Cream.

Choice roots for fall planting.

Each, 10c; doz., 75c; 100, \$5.00

Cyclamen. No bulbs as fine for winter blooming as the Cyclamen.

Dahlias

ing; an excellent cut flower; stems extra good.

Desdemona. An exquisitely beautiful, daintily formed flower of the Dorothy Oliver type, but a larger, better Dahlia in every way; the central shade is a lovely creamy canary shading to white at ends of the slender, in-curving petals; flower very full, erect, borne on long stems above the dark, rich foliage; a vigorous free bloomer.



Genoveva. An elegant distinctive flower of a pale canary yellow, with a beautiful faint greenish tinge suffusing the entire flower, which is large, well filled, incurving petals; erect, long stems, free blooming; approaches peony type in its twisted formation; bushy, compact, vigorous grower.

Harmonie. A fine, full flower, chamois yellow center, outer petals a soft salmon red with lighter tips; a most elegant and free blooming Dahlia; erect grower, good stems, a great improvement over Aschenbroedel.

Modell. This is truly a model Dahlia with a coloring all its own. A beautiful clear waxy yellow, with a delicate plum blush sheen over tips of petals; a dainty, lovely flower of large size, perfect form, petals incurving, erect on long stems; one of the best bloomers and most vigorous growers ever produced. Add Modell to your collection.

Mauve Queen. A beautiful true lavender with lighter center, full flower with finely quilled petals; beautifully formed, incurved; an erect grower, long stems, vigorous, free blooming; a grand exhibition flower and one of the best introductions in years.

Othello. A glorious full, large flower of deepest, richest crimson, center almost black; finest true cactus form; petals of great substance, free and continuous bloomer, producing the most perfect flowers; long stems, erect, good keeper; an ideal flower in every way and one of the earliest.

Weisse Dame. A valuable new white of splendid form; large, full, petals curved and twisted; one of the best and most free-blooming of white cactus Dahlias; its great wealth of perfect flowers are borne erect on long wiry stems; compact bush.

FINEST CACTUS DAHLIAS

Signal. Brilliant crimson-scarlet; height 24 inches; flowers large, of fine form; free-blooming. Each, 40c.

Uncle Tom. Deep velvety crimson; almost black; fine form, full and attractive. Each, 25c

PINK

Britannia. Beautiful salmon pink. Each, 25c

Countess of Lonsdale. Rich, rosy-pink, very floriferous. Each, 15c.

Helene. Delicate, clear pink, with rich creamy center, a beautiful flower on very long stems and the greatest bloomer of all cacti. Each, 50c.

Kriemhilde. Blush-pink; a prize winner; one of the finest new dahlias. Each, 20c

Mrs. Stranock Gaskill. A delicate shade of exquisite pink; large, finely petaled; a rare novelty of great beauty. Each, 60c.

Pink Pearl. Deep rich pink; fine form. Each, 25c.

YELLOW AND SHADES

Capstan. Orange-scarlet and apricot; one of the finest for cut flowers; dwarf habit, free-bloomer, with large, perfect flowers on long, stiff stems. Each, 15c.

Erikonig. Soft chestnut, yellow base; fine. Each, 20c.

Master Carl. Bright amber, of giant size and perfect form, immense petals, gracefully curved; free-blooming, distinctive. Each, 50c.

Miss Dorothy Oliver. Pale primrose yellow; long narrow petals; fine form; beautiful and attractive. Each, 50c.

Stern. Odd and beautiful; star shaped; pure lemon-yellow flower; vigorous; good for garden or cut flowers. Each, 50c.

Mrs. Chas. Turner. Bright lemon; finest of its color. Each, 20c.

Prince of Yellow. Splendid lemon-yellow, free-blooming, finely formed flower. Each, 25c

Prof. Zacharis. Beautiful clear bright yellow; profuse bloomer; good garden sort. Each, 25c

VARIEGATED AND SHADED

Alpha. White ground, striped and splashed bright crimson, a vigorous grower, very free, fine garden variety. Each, 25c.

Comet. Extra large, silvery rose, marked crimson, a very free bloomer, of good habit. Each, 25c.

Country Girl. Lovely bright yellow, flaked sparingly with plum color; petals also penciled plum; long stems, erect, free blooming; an attractive Dahlia; four feet. Each, 50c.

DECORATIVE, SHOW AND FANCY DAHLIA

Dr. Gates. Beautiful shell-pink; good for cut flowers. Each, 25c.

Estelle. Blush to dark pink, red markings. Each, 25c.

Florence. A beautiful shade of orange yellow; flowers of fine shape; a free and constant bloomer; good keeper. Each, 25c.

Jeanne Charmet. A dainty exquisite pink, marginated pale yellow, shading to pure white at center, large, fine, full form, erect, long stems, one of the best of the new decoratives. Each, 50c.

Kaiserin Augusta Victoria. Magnificent white flowers, of immense size and perfect

form, borne erect on long stems high above foliage, blooms freely until cut down by frost, invaluable for landscape or large plantings. Price, each, 50c.

Lavender Queen. Clear, soft lavender; petals deeply serrated. Each, 15c.

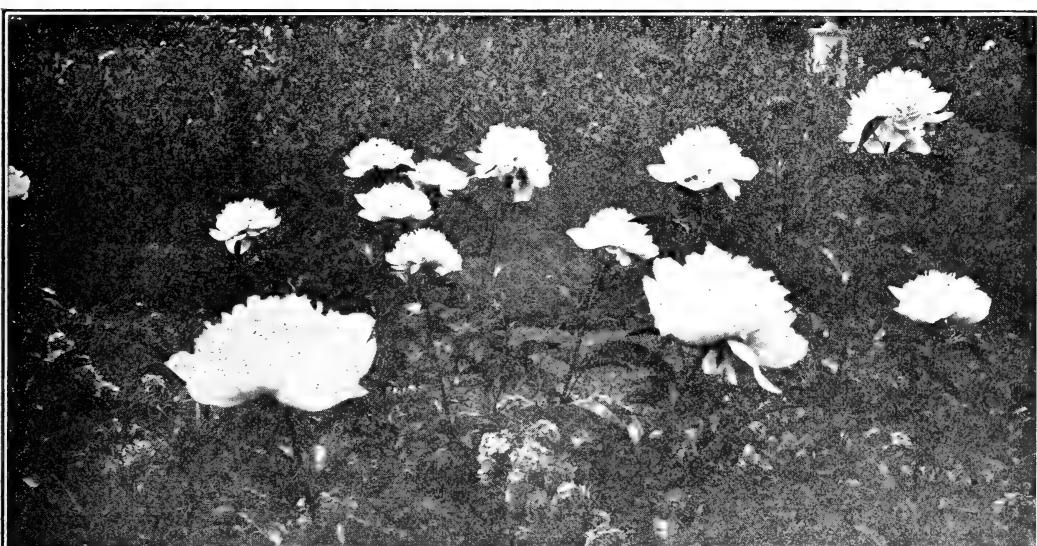
Mrs. Winters. Snow white, large beautiful form. Each, 20c.

Miss Frances Fell. Decorative; white, lilac shading. Each, 20c.

Navajo. Rich, velvety red; splendid sort. Each, 25c.

Sylvia. Splendid pink; floriferous; keeps well. Each, 15c.

Separate Colors. All shades not named. Each, 10c; doz., \$1.00.



Herbaceous Peonies (*Paeonia Chinensis*)

THESE are absolutely hardy everywhere, have no insect enemies, and always live and increase in beauty. The finer and newer varieties of this old garden favorite will delight every one, as the perfection of flower and the variety of color have been carried to a very high degree. The flowers are well adapted for cutting, and for the ornamentation of the house, as they rival the rose in perfection of flower and brilliancy of coloring, possessing a striking individuality that is in accord with the present taste and style in floral decorations. Our collection embraces the choicest sorts in the most striking colors—white, pink, crimson, etc., in various shades.

Strong roots, with three to five eyes, 35 cents each, \$3.50 per dozen.

Separate Colors. White, pink and crimson; double. Each, 25c; doz., \$2.50.

Agaida. Dark red.

Alice Crousee. Beautiful soft rose; rose-scented.

Anemone flore rubro. Deep crimson.

Artemise. Bright pink.

Baroness James de Rothschild. Pink; semi-double.

Beaute de Francaise. Delicate pink; tipped blush-white.

Blushing Bride. Bright flesh-color.

Candidissima. Pure white.

Carnea elegans. Pale rose, with yellowish center.

Decaisne. Bright violet-red.

Duc de Caze. Rose.

Edouard Andre. Deep crimson-red.

Eugene Verdier. Blush, center white; very large and beautiful flowers; 50c each, \$5.00 per doz.

Festiva maxima. One of the best whites for cut flowers; strong grower; 35c each, \$3.50 per doz.

Floral Treasure. Bright pink. 50c each; \$5.50 per doz.

La Tulipe. Large flowers; snow-white; rose scented. 75c each, \$7.50 per doz.

CANNAS

Chas. Henderson. Heavy green foliage, free bloomer, deep rich crimson. Each 20c; doz. \$1.50.

Burbank. Bright lemon color, with deep orange center. Each, 20c; doz., \$2.00.

VIOLET PLANTS

Each 15c; per doz., \$1.25.

Princess of Wales. Flowers single, of gigantic size; color a very rich shade of blue, and extremely fragrant.

Marie Louise. A constant bloomer, producing great quantities of large, double flowers, lovely deep violet purple.

Swanley White. The finest and best double white violet in cultivation.

Perennial Plants

DICENTRA—BLEEDING HEART

Formosa. Flowers rose-color. In shape resembling the Bleeding-Heart. 1 ft. May-Aug.

Spectabilis. Flowers heart-shaped, in long, drooping racemes of a rose-crimson color; one of the prettiest of border plants and useful for forcing. 1½ ft. April-June. 25c each, \$2.50 per doz.

Large strong clumps.

COREOPSIS

Floribunda semi-plena. A true perpetual variety; flowers composed of two to three rows of bright yellow petals. two feet. June-Oct. 25c each, \$2.50 per doz.

DELPHINIUM—LARKSPUR

Albion. Pure white flowers; very choice. 4 to 5 feet. June, July. 50c each, \$5 per doz.

Chinese Cineraria. The large, rich, sky-blue, spurless flowers are profusely borne on erect stems. 1½ feet. June, July. 25c each, \$2.50 per doz.

King of Delphiniums. A remarkably strong grower, with spikes of deep blue flowers with large white center. 4 to 5 feet. June, July. 35c each, \$3.50 per doz.

GYPSOPHILA

Paniculata fl. pl. This is one of the most beautiful of all the introductions to the hardy plants. The charming double rosette-like flowers are borne on branched panicles in great profusion. 2 to 3 ft. July, Aug. 25c each, \$2.50 per doz.

Ochroleuca. Is a hybrid between Citrina and Thunbergii; flowers pale lemon. 3 ft. July, Aug. 50 cts. each, \$5 per doz.

HARDY PERENNIAL PHLOXES

Strong Plants, Separate Colors. Red, Pink, White and Lilac, 15c to 25c each.

F. G. Von Lassburg. Large, snowy white flowers; one of the best.

G. A. Strohlein. Bright scarlet, with light carmine center.

General Van Heutsz. Brilliant salmon-red, with white center.

Gruppenkonigin. Soft flesh-rose, with carmine center.

R. Von Hochberg. A fine crimson.

Spiraea Gladstone, per bulb 25c, doz., \$2.50

The most beautiful flowering shrub; will grow a dozen big spikes

DOUBLE HOLLYHOCKS

In separate colors.

Large plants, 2 year old. Each 25c, doz., \$2.00

Young plants, will bloom the 1st year. Each 10c, doz., \$1.00.

PAMPAS GRASS

No grasses make as fine a show as the Pampas; very large, white plumes. 50, 75c each.

ACHILLIA (THE PEARL)

Pure white flowers, borne on strong stems. the entire summer. Each, 25c, doz., \$2.50.

ORIENTAL POPPY

Oriental Poppy (P. orientale). Deep scarlet, purple center. July-August 20 cts. each, \$2.00 per doz.

Shirley Poppy (P. Rhacas). Dwarf variety, with scarlet flowers spotted black. 10 cts. each, \$1 per doz.

Gaillardia grandiflora compacta. This is a low-growing variety, the plant forming round bushes about two feet high. The richness and large range of color is finer than on the high growing varieties. Blooms steadily from June until late in fall. June-October. 15 cents each; \$1 per doz.

Columbine (Aquelegias). We have some extra choice 2-year-old plants of this beautiful plant; 15c each, \$1.50 per doz.

Asters, Perennial (Mitchelmas Daisies). Among the showiest of all late flowering perennials; 15c each, \$1.50 per doz.

Shasta Daisies. Large roots; 15c each, \$1.00 doz.

Foxglove (Digatalis). 3-5 ft. high; makes a fine show. June, July, August. Each, 15c; doz., \$1.50.

Golden Glow. Yellow flowers, deep purple cone; 15c each; \$1.00 doz.

Golden Rod. Very effective. Each, 10c; doz., \$1.00.

Mautbretias. Fine golden orange; 10c each, \$1.00 doz.

Superior Fertilizer contains all the ingredients necessary for the soil. Don't fail to try it. 5 lbs., 25c; 10-lb. bags, 50c; 25-lb. sacks, \$1.25.

GLADIOLUS

America. The finest of the light colored sorts. Very light pink, exquisitely tinted with lavender. Unsurpassed in freedom of bloom and size of flower spike. A magnificent variety. Mammoth bulbs, 15c each; doz., \$1.50. Second size, each, 10c; doz., 75c.

Madame Monneret. Delicate rose. 5 cts. each, 60 cts. per doz.

May. Lovely pure white flowers, flaked rosy carmine. 5 cts. each, 60 cts. per doz.

Mrs. Krelage. Fiery red; blotched white, with carmine and white veins. 10c each, \$1.00 per doz.

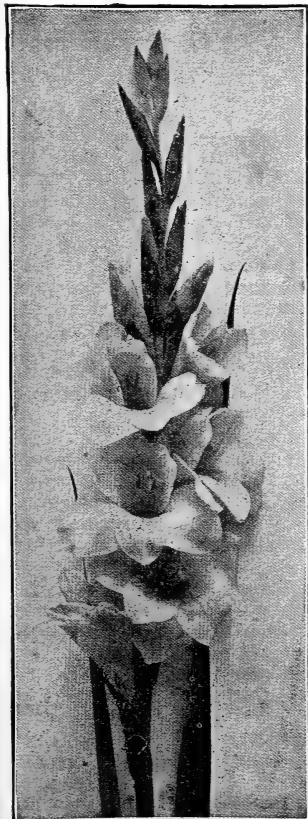
Napoleon III. Bright scarlet, with white line on each petal. 5c each, 50c per doz.

Octoroon. A very distinct variety, with beautiful salmon-pink flowers. 7c each, 75c per doz.

Prolific Pink. Pink. 50c per doz., \$3.50 per 100.

Reine Blanche. Pure white, with dark carmine blotch. 6c each, 60c per doz.

Shakespeare. White, slightly suffused crimson-rose; large rosy blotch. 10c each, \$1 doz.



America



GRAND NEW GLADIOLUS

Francis King. Large flowers on tall stems; light scarlet with crimson blotches on lower petals. Magnificent bright and very large flowers; stay in bloom a very long time and don't bleach; splendid for cut flowers. Mammoth bulbs, 15c; doz., \$1.25; first size, bulbs, 10c; doz., 75c.

New Princess Augusta. Pure white; by far the largest flower of all the White Gladiolus. Each, 10c; doz., 75c.

Brenchleyensis. The most favored scarlet Gladiolus for bedding. Each, 10c; doz., 60c; 100, \$4.00. All Gladiolus postpaid.

POPULAR BEDDING PLANTS.

During the months of April and May we have thousands of the following hardy bedding plants, price per dozen by express at buyer's expense:

	Per Doz.
Hollyhock	1.00
Lobelia .....	.35
Marigold .....	.50
Mignonette .....	.50
Petunia .....	.50
Pansies .....	.50
Phlox .....	.50
Salvia .....	.50
Stocks .....	.35
Verbena .....	.50
Alyssum	\$0.35
Asters .....	.25
Falsam .....	.50
Carnations .....	.50
Cosmos .....	.35
Daisies .....	.50
Forget-Me-Not ...	1.00
Geraniums	1.00
Heliotrope	1.00

For description of these flowers, see Flower Seed Department. If wanted by mail, add 25c per dozen for postage, and if it does not require this amount, we will put in extra plants.



How to Grow Roses

LOCATION OF BEDS.—Roses should be planted where they will be open to sunlight for at least half of each day. In locating beds, avoid trees, shrubbery and shady sides of buildings and fences. This will lesson the danger from insects and diseases.

Soil.—Any good garden soil, which will grow good vegetables, will grow, with proper fertilization, fine Roses. The ideal soil is a clay loam of sufficient porosity to permit of ready drainage.

Preparation of Beds.—The beds should not be so large that the Roses cannot be reached without treading among them. Long, narrow beds, with one continuous row of plants, are preferable. Spade the soil to a good depth, mixing in well-rotted stable manure as you do so. Cow manure is considered the best, though well-rotted horse manure will do. Bone meal is also excellent.

Planting.—Most varieties should be planted about $2\frac{1}{2}$ feet apart, when the soil is in a nice, mellow condition. Spread the roots out well and press the soil down firmly. Plant slightly deeper than previously grown and give out good watering if weather is warm and dry.

Watering.—Most people water their Roses too much. Once a week is often enough and that early in the morning. Keep the soil mulched or cultivated around the bushes to prevent baking.

Mulching and Protection.—Only the tenderest varieties need any protection in this country. This can best be supplied by mulching the soil around the plants with a heavy application of cow manure, which should be spaded in the following spring. All plants should have this mulching.

Pruning.—Field-grown dormant Roses should be cut back severely when first set out. Subsequent prunings should be attended to in late winter and early spring, when all dead and weak growth should be removed entirely and the strong, live canes should be shortened back to one or two feet in length, according to the growth of the previous season. It may be accepted as a general rule that weak growth should be pruned severely and strong ones sparingly. Climbing Roses should not be cut back any more than is necessary to keep the plant in a shapely appearance.

Best Time for Planting.—No question is asked more frequently than, "When is the best time to plant Roses?" Our dormant field-grown Roses can be planted any time that the soil can be worked, between October and April. Probably the best month is March. Most people plant in that month and with best results. Our small greenhouse-grown Roses should not be planted until a month later, when the soil has warmed up with the increasing strength of the sun's rays.

Grand Leader Collection

RARE AND CHOICE NEW ROSES

This collection consists of twelve of the most beautiful Roses recently introduced by the world's greatest Rosarian, M. Bernet-Ducher, of France, and the Dickson's of Ireland and others. We import direct and can therefore sell at the very reasonable price of 50c each; one-half the collection or 6 for \$2.50; or the whole twelve for \$4.50.

NEW FRENCH ROSE LYON

Lyon. This grand new rose comes from the eminent French rosarian, M. Pernet Ducher, who has given us during the past years so many choice new sorts, including Madame Caroline Testout, Etoile de France, Joseph Hill, Soleil de Or, President Carnot and many other well known varieties. This new sort has probably been in greater demand than any sort yet produced. Each, 50c.

Sweepstake prize at Mt. Baker Park Rose Show.

Barbarosa (Red Druschki). A pure carmine red blossom, large and full. Similar in style and habit to the other Druschkis.

Frau Karl Druschki (Hybrid P.). Pure white, long pointed buds; large full flowers; free and constant bloomer. Price, 2-year-old plants, 50c; extra heavy stock, 50c. Finest white rose grown.

La Progress. Flowers large and full, on long, erect stalks, fine foliage. Buds are nankin-yellow and open to saffron yellow. Always in bloom and one of the finest sorts for garden decorations. Very popular in England.

Mrs. Sharman Crawford. Deep, rosy pink, outer petals shading to pale flesh color. One of the finest roses in every way.

Lady Ashtown. Unexcelled for cutting. Produces perfect blossoms of soft rose, shading to yellow at base of petal. Flowers are large, double with high-pointed center, grown on long stems.

Betty. Beautiful coppery rose color, overspread with golden yellow. Deliciously fragrant, very large, fairly full and of glorious form. Superb decorative variety for the garden, fairly glows with brilliancy. One of the freest blooming roses we know of. This fine sort was raised by Alexander Dickson, the famous Irish rose grower, who has given the world many fine new varieties the last few years.

Dorothy Page Roberts. A delightful blossom of coppery-pink, suffused with apricot shadings. Large petals, exquisite buds and flowers. Has won many prizes.

Pharisaer. Fine, new Hybrid Tea rose, of largest size. Light flesh shading to blush in center. Broad, heavy petals, beautifully cupped. Exquisite in every detail.

Madame Leon Pain (Tea). Robust growth, smooth wood, handsome plum-colored foliage. Flowers large, full and free in opening; silvery salmon, center orange-yellow, reverse bright red and yellow. In our gardens the past

summer it has at all times been a grand sight, bearing a great profusion of exceedingly large, brilliant roses. Very fragrant.

Lady Battersea. A beautiful cherry-crimson with orange shadings. Long oval buds, sharply pointed; unusually fine.

Dean Hole. An exquisitely beautiful rose of bright carmine pink color, with silvery shadings and with the grandeur of American Beauty in form and foliage. Buds of extraordinary length, opening into a mammoth bloom of splendid substance. Continuous bloomer.



New French Rose Lyon.

Rainier Collection of Roses

This most beautiful collection, of recent introduction will please every lover of fine Roses. Price, each, 40c; 6 for \$2.00; 12 for \$3.50.

Countess of Derby. Center salmon, shading into delicate peach, large and finely formed, very large petals, free and fragrant. A strong growing variety, producing long pointed buds upon stout canes.

Freiherr von Marschall. Red tea roses of real merit are scarce at best, but we feel from the past two years we have had it on trial, that this variety will fill a long-felt want. Color, dark carmine with long pointed buds, the open bloom of large globular form and great substance.

Kate Moulton. Light pink, very beautiful; robust habit with heavy foliage making it a grand rose for outdoor culture; equally good for forcing on account of its free-blooming qualities.

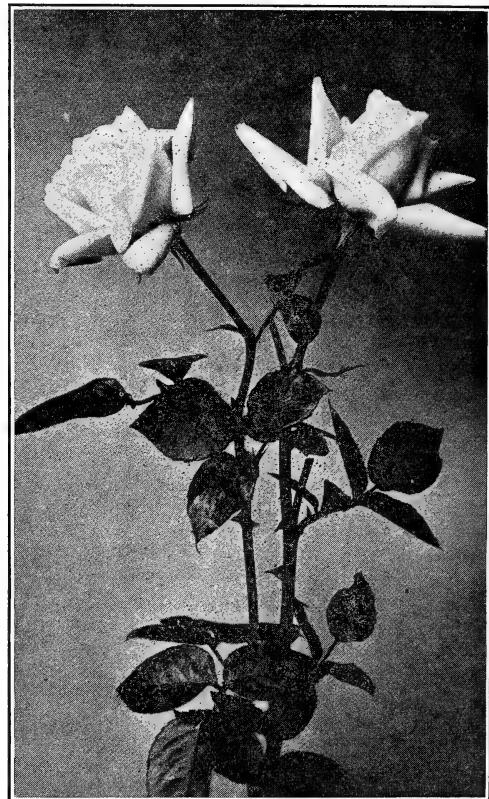
Killarney (Hybrid Tea). Flesh shaded white flushed pale pink; very free, fine form and of good substance.

Etoile De France (Hybrid Tea). This new crimson rose is of vigorous, healthy growth, so free and constant in bloom that a good bush never fails to yield an abundance of large, long-stemmed, beautiful buds and flowers. They are strikingly elegant in shape, very full and fragrant, with petals slightly cupped and gracefully recurved; color rich, glowing crimson, shaded with vermillion. Without doubt the finest ever-blooming crimson rose in existence.

Franz Deegen. One of the best yellow roses; erect habits, very fragrant. The large blossoms shade to pale yellow in center. Known as the Yellow Kaiserin Augusta Victoria. Constant bloomer.

Belle Lyonnaise. A new variety of fine, canary yellow rose, one of the choicest.

Rhea Reid. A new variety of the choicest type; color shading from rose to rich crimson. Raised by the eminent rosarian, Mr. E. G. Hill, and considered a great triumph. Strong grower, long canes and fine blossoms.



Killarney.

Madam Ravary. Flowers of splendid form, full double and very fragrant. Should be in every garden on account of its rich coloring of nankeen-yellow, becoming lighter as blossom unfolds.

Winnie Davis. Rich, apricot pink, shading to flesh color at base of petals. Has a beautifully formed bud and blossom; everblooming, and one of the best roses for general cultivation.

Hugh Dickson. A superb new Irish Rose, one of the very finest brilliant crimson-scarlet of strong vigorous growth, hardy as an oak tree. This great hybrid perpetual rose is bound to become a great favorite.

Jean Rosenkrantz. Deep, rose color, fine flower. One of the newest and most desirable bloomers.

Tea or Ever-blooming Varieties

THE most refined, and a class comprising the most of the ever-blooming Roses. They are highly prized and admired for their delicious fragrance and the exquisitely beautiful forms and colors of their flowers. In color they embrace all shades from the purest white to the brightest crimson, and from light straw to rich orange. The climate of Washington being peculiarly adapted to Roses, this fair here revels in luxurious growth and bloom. Choice 2-year-old Bushes, 35c each; 6 for \$1.75; 12 for \$3.00.

WHITE ROSES

Kaiserine Augusta Victoria. A strong, vigorous grower, producing buds and flowers of enormous size. Color, pure white. We have no hesitancy in saying that this Rose is unequaled by any other variety of its color.

The Bride. The finest white Rose ever offered. The buds are very large and of exquisite form, and the full flower is very double, measuring four inches in diameter.

White Maman Cochet. A splendid Rose; has all the good qualities of Maman Cochet, but is white, equally large and fragrant, hardy and productive. One of the very best white ever-blooming Roses for bedding.

Margaret Dickson. Large flowers, elegantly formed and well presented on long, stiff stems; pure white, with pale flesh center and magnolia fragrance. One of the grandest Hybrid Perpetual Roses in existence.

Bessie Brown (Hybrid Tea). Color cream white, sometimes faintly flushed pink; flowers large and of a shell shape. Free blooming and sweet scented. Price, 2-year-old plants, 50c.

Mabel Morrison. Of the purest white and almost velvety in its finish; petals thick and shell-shaped; very double and rounded in form; one of the finest varieties extant. Two-year-old plants only.

PINK ROSES

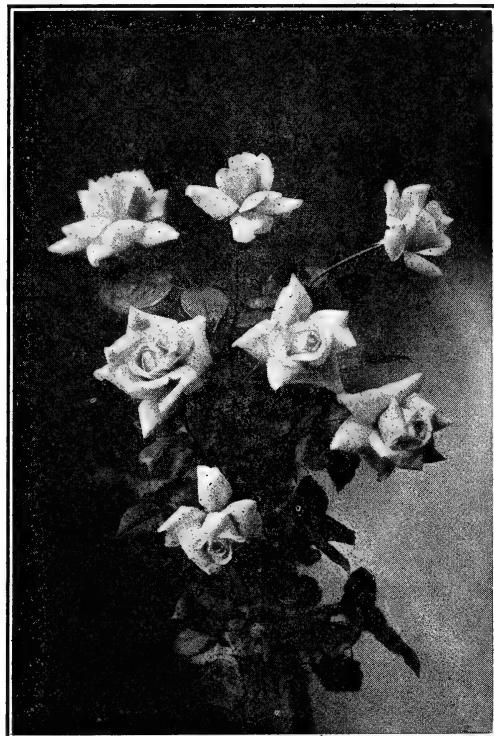
President Carnot. A rosy flesh colored rose and shaded with a lighter tint at end of petals. Flowers very large both in bud and blossom. Very fine and fragrant.

Viscountess Folkstone. Beautiful flowers on strong stem, thick foliage, delicately tinted flesh color, almost white, satiny finish. One of the most beautiful varieties in cultivation.

Clio. Vigorous growth; large, handsome foliage; flowers flesh color; shaded in the center with rosy pink; very large, fine globular form, and freely produced. A grand addition to the style of Baroness.

Admiral Dewey. A large, full rose, with broad, heavy petals. Color light, flesh tint, shading to a blush in center. Well liked and popular variety.

Maman Cochet. One of the most beautiful Tea Roses, vigorous in growth with rich, heavy foliage and very large flowers on long stems. Color deep, rosy pink, inside of petals of a silvery rose. Very double, exquisite bud or bloom.



Mad. Abel Chatenay

Mad. Abel Chatenay. A Rose of extraordinary merit. A free bloomer, with flowers of good size and substance. Color, beautiful rosy carmine, with darker shadings. Very richly colored. One of our finest varieties, which should find a place in every Rose garden. We can recommend it highly.

Princess Louise Victoria. One of the newer varieties, in a delicate pale rose tint; highly prized.

My Maryland. A soft, salmon pink which lightens up beautifully as the flower expands; a most pleasing shade. Growth is splendid sturdy and healthy; abundant foliage. Delightful fragrance.

Bridesmaid. A fine, clear, dark pink, the counterpart of Catherine Mermet in size and shape of flower and habit of growth, but much deeper in color and vastly more beautiful, exquisitely formed buds, very large, long and pointed, and borne on stout stems. A grand Rose.

Madame Caroline Testout. A grand Rose of the LaFrance type, but with flowers larger and finer. Color, bright satiny pink; very fragrant and free in bloom. One of the handsomest Roses and should be planted extensively.

Catherine Mermet. A very beautiful Tea Rose, valued highly for its beautiful buds, faultless in form and charming in every shade of color, from the purest silvery rose to the exquisite blend of yellow and rose, which illuminates the base of the petals.

Duchess de Brabant. Color, a soft rosy flesh, changing to deep rose, shaded amber and salmon delightful tea scent.

Bon Silene. The buds are handsome and produced in great profusion; color, dark rosy carmine. A great favorite.

La France. Perhaps no Rose is better known or more highly valued than La France. Both flowers and buds are of grand size; color, a silvery rose, changing to pink. A general favorite and the sweetest of all Roses.

Madame Cecil Brunner. Beautiful rose pink on a rich cream white ground. A Polyanthe or Baby Rose.

Marie Van Houtte. Of a fine, faultless straw-yellow color; outer petals washed and outlined with a bright rosy carmine; occasionally the whole flower will be suffused with light pink.

RED ROSES

Helen Keller. Beautiful cerise red, free bloomer; very fine quality.

Madam Victor Verdier. Fine, cherry red, shaded with carmine. Profuse bloomer; one of the best varieties.

Gen. McArthur. Color the most beautiful shade of crimson, retaining its brilliancy when fully expanded; very sweet and easy to grow.

Richmond (Hybrid Tea). A splendid new American rose of great merit. Strong in growth, splendid foliage and long stems. Color, a magnificent, rich scarlet-crimson, the most vivid we have yet seen among ever-blooming roses. Is being grown largely by florists for cut flowers. Price, 2-year-old plants, 50c.

Liberty. Rich, velvety-crimson, long, pointed bud; free flowering.

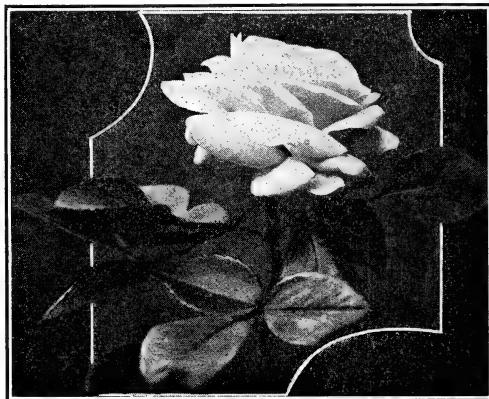
Ulrich Brunner. This is really a magnificent Rose; extra large, bold flowers full and globular; petals large and of a good substance; color rich, glowing crimson, elegantly flamed with scarlet; a good grower and free bloomer; one of the best for forcing.

General Jacqueminot. Bright shining crimson, very rich and velvety, exceedingly brilliant and handsome; makes magnificent buds, and is highly esteemed as one of the best and most desirable for open ground.

Papa Gontier. A magnificent red Rose; flowers large and semi-double; a vivid cherry red color, shaded yellow, reverse of petals crimson;

free growing and flowering very profusely. One of the very best for open ground. No other red Tea Rose can compare with it.

Paul Neyron. Deep, shining Rose, double and handsomely formed; blooms freely, and is unusually strong and vigorous; the largest variety in existence, and one of the most desirable for the garden.



Madam Welche.

YELLOW ROSES

Madame Welche. Flowers very large and double, of the finest form; the outside petals pale yellow, the center deep orange, often shaded reddish copper. A grand garden Rose.

Safrano. Bright apricot yellow, tinged orange and fawn. Valued highly for its beautiful buds. Very profuse in bloom, and deliciously tea scented.

Sunset. This grand Rose is a favorite wherever known. The color is a rich golden amber, or old gold, elegantly shaded, and buds are extra large, full, finely formed and deliciously perfumed.

Perle des Jardines. Color, a clear golden yellow, an indescribable rich and beautiful shade, and entirely distinct from any other variety. The flowers are extra large, of great substance and full to the center. Beautiful both in bud and open flower.

Madame Francisca Kruger. The striking color of this handsome Rose places it at the front as a bud producer in the open ground. Color, deeply shaded, coppery yellow. One of the finest Roses in existence.

Coquette de Lyon. A very free flowering, deep yellow Rose, handsome buds and flowers.

Docteur Grill. Clear puff pink, passing to rose and fawn, elegantly suffused with pale canary yellow. Very fine variety for the garden.

Etoile de Lyon. Sulphur yellow, deeper in the center; very large, full and of fine form. One of the finest yellow Roses.

Madame Pernet Duchere. Fine, hardy, ever-blooming yellow Tea Rose. Beautiful in bud state as well as the open flowers.

Sunrise. A beautiful new English variety of a high order of merit. Buds a beautiful mingling of scarlet and yellow, changing as the flower opens to orange and copper color. Flowers of large size, double, and tea scented. A strictly fancy variety. Price, 2-year-old plants, 35c; extra heavy stock, 50c.

Soleil D'Or (Golden Sun). The first of a new type and from which the wonderful Lyon Rose was developed. A perpetual bloomer, robust grower, brownish wood, foliage beautiful, bright green and scented. Flowers very double, most beautiful when full blown, a superb color, varying from gold and orange yellow to reddish gold and shaded with nasturtium red. Delightfully fragrant. Two-year-old plants only, 50 cents each.

DARK VELVETY ROSES

Baron de Bonstettin. Splendid large flowers, very double and full; color, rich dark red, passing to deep velvety maroon.

Prince Camille de Rohan. Very dark, rich, velvety crimson, passing to intense maroon, shaded black, one of the darkest Roses, and very handsome; regarded as the best of its color.

Xavier Olibo. Dark, velvety crimson color, the darkest shade grown.

VARIEGATED ROSES.

Rainbow. Beautiful buds and flowers of large size; color, a beautiful shade of deep pink, distinctly striped and mottled with brilliant crimson, elegantly shaded and toned with rich amber; very fragrant and exquisitely beautiful.

Homer. Beautiful folded buds of a light rose color; often peculiarly spotted with white; a fine bedder; very handsome and distinct.

Moss Roses. We offer three good sorts of these old-fashioned Roses—Elizabeth Rowe (pink), Mousseline (white), Luxenburg (red). Price, two-year-old plants, only 35 cents each.

SUPERB CLIMBING ROSES

Two-year-old, 35 cents, 3 for \$1.00; extra strong plants, 50 cents, 3 for \$1.25.

Climbing Liberty. Deep red; same as the well known Tea Rose; a strong climber and a fine bloomer.

Climbing Main Cochet. A beautiful pink climber, long bud and very full bloomer.

Madam Alfred Carrie. The most vigorous white climbing Rose grown; free bloomer; don't mildew.

Chromatella (Cloth of Gold). A clear golden yellow; large, very full and double, highly fragrant. Highly prized in the South for pillars and verandas. We have the true variety.

Reine Marie Henrietta. A strong, vigorous grower; flowers large, full and of fine form; color, glowing crimson, elegantly shaded. One of the best climbers.



Reve de Or. Same as Climbing Safrano.

William A. Richardson. Color, rich coppery yellow, flushed with carmine. A very beautiful variety, having few equals.

Climbing Bridesmaid. Elegant, long pointed buds, identical with that charming variety, Bridesmaid.

Climbing Kaiserin (Mrs. Robert Peary). This is, without doubt, the grandest of all white climbing Roses. It is the first and only pure white, hardy, ever-blooming climbing Rose.

Crimson Rambler. One of the varieties that improves upon acquaintance and is adapted to any locality; of rapid growth, will attain a height of 15 feet in a season. It flowers in trusses, measuring 9 inches from base and 7 across, fairly covering the vines from bottom to top.

Dorothy Perkins. This beautiful new Rambler is one of the finest pillar roses. Its growth in a single season is wonderful. The foliage is glossy, green, the blossoms grow in immense clusters of 15 to 30, very double, crinkled, of shell pink color and possess very lasting qualities. Buds are very pretty, plants extremely hardy. Must be given plenty of room when planted.

Hardy Climbing Plants

Clematis, Paniculata (New Sweet-scented Japan Clematis). A vine of very rapid growth, quickly covering trellises and arbors with handsome, clean, glossy, green foliage. The flowers are of small size, pure white, borne on immense sheets, and of a most delicious and penetrating fragrance. These flowers appear in September, at a season when very few other vines are in bloom. Price, 35c to 50c.

Henryi. Fine, large, creamy white flowers; a strong grower and very hardy. 75c.

Jackmanii. Intense violet purple, with a rich velvety appearance, distinctly veined. 75c.

Madame Ed. Andre. Wine red, without a touch of purple. Fine, free-growing variety. 75c.

Ivy, English. Thick, leathery evergreen leaves. Price, 25c.

Boston Ivy (Ampelopsis, Veitchi). The most vivid autumn tints, gold, purple and scarlet. 35c to 50c each.

Virginia Creeper (Ampelopsis, Quinquefolia). The well-known Virginia Creeper. Large 2-year-old vines, 50c each; extra heavy stock, 75c. \$3.50 per doz.

Honeysuckle, Chinese Evergreen. Sweet-scented white flowers; holds its foliage late. Two-year-old plants, 50c each; extra heavy stock, 75c.

Honeysuckle, Halleanum. Two-year-old plants, 75c; extra heavy stock, \$1.00.

Jasmine, Officinalis. The hairy, white flowered Jasmine; very sweet scented; 50c each.

Pueraria Thunbergiana—(Kudzu Vine). Exceedingly valuable for covering arbors, verandas and pillars; 60c each.

Wisteria, Sinensis Blue—A good rapid growing, hardy climber. Lovely long panicles of dark blue flowers, produced in the most wonderful profusion, often attaining a height of fifty feet or more. Two-year-old plants, 50c; extra heavy stock, \$1.00.

TREE OR STANDARD ROSES

Tree-shaped Roses are stately objects for lawns, standing as they do four and five feet high, with large heads of growth at the top of their slender single stems. They flower quite as profusely as the bush roses, and, if anything, the flowers are of finer quality. We grow only a few leading sorts in this form of culture, the best of which are the following: Kaiserine Augusta Victoria, General McArthur, La France, Madame Caroline Testout, Frau Karl Druschki, Baby Rambler, Soliel de Or and Ulrich Brunner. Price, \$1.50 to \$2.50 each, by express or freight.

SPRAYING MATERIAL

Note:—All our Bulbs sent by mail are postpaid by us. All Rose Bushes, Trees, Plants, Seeds and Poultry Supplies are delivered to express or freight depots or wharfs, freight to be paid by purchaser. Be sure to write name and post office plain. Our stock is absolutely the best obtainable. We grow all that can be grown in Washington and import from the largest growers from all parts of the globe. Send us an order. No matter how small, it will be filled with the greatest care. If you want any information, write us and we will be glad to help you all we can, promptly.

SEND FOR OUR SPRING CATALOGUE.

SUPERIOR FERTILIZER



Shade and Ornamental Trees

Sugar Maple. (*A. saccharinum*.) A well known, large native tree, valuable both for the production of sugar and for its wood. Its stately growth, fine form and foliage make it desirable for the lawn and especially for street planting. 6 to 8 ft., 75c; 8 to 10 ft., \$1.00.

Norway Maple. (*A. platanoides*.) A large, handsome tree of spreading, rounded form, with broad, deep green foliage. Its compact habit, stout and vigorous growth make this one of the most desirable trees for park or street planting. 5 to 6 ft., 50c; 6 to 8 ft., 75c; 8 to 10 ft., \$1.00.

Silver Maple. (*A. dasycarpum*.) Well known native tree of very rapid growth. A most useful tree where immediate shade is wanted. Much used for street planting. 6 to 8 ft., 75c; 8 to 10 ft., \$1.00; 10 to 12 ft., \$1.50.

Geneva Purple Maple. A handsome new variety, with dark purple foliage, holding its color all summer. The best purple leaved maple. \$1.50.

American Mountain Ash. (*P. Americana*.) A pretty, medium sized tree, with abundant clusters of large orange red berries in autumn. It fruits in a young state and is a very desirable tree. Specimen trees, 8 to 12 ft., \$1.00 to \$1.50.

European Mountain Ash. (*P. aucuparea*.) Similar to the American form, but with a more slender growth and bright scarlet berries. 5 to 6 ft., 75c. Specimen trees, 8 to 10 ft., \$1.00.

Russian Mulberry. (*M. alba*.) Well known, hardy, very rapid growing tree, suitable for hedges or screens. The fruit is sweet, much relished by birds and when they can get them they will leave cherries and berries alone. 4 to 5 ft., bushy trees, 50c.

American Elm. (*Ulmus Americana*.) (L) This familiar tree, which arches many New England streets, grows well in other sections. Its rapid growth and especial grace make it unsurpassed for urban and suburban planting. \$1.00 to \$1.50 each.

English Elm. (*Ulmus campestris*.) (L) Equally fine and imposing, and is just as use-

ful as our native variety. Holds its leaves a longer time than the American sort. \$1.50 to \$2.50 each.

Cork Elm. A fine tree with corky branches; foliage dark green, turning yellow in the Fall. 75c and \$1.00 each.

LOCUS (Gleditchia and Robina)

Black Locust. (*R. pseudacacia*.) A native tree of very rapid growth, valuable for its timber and also very ornamental with its long, pendulous racemes of fragrant white flowers in June. 8 to 10 ft., 75c and \$1.00.

Honey Locust. (*G. triacanthus*.) A rapid growing tree with fern-like foliage and armed with powerful spines. Used for hedges. 5 to 6 ft., 50c.

LINDEN (Tilia)

American Linden or Basswood. (*T. Americana*.) One of the largest and handsomest native shade trees, with a compact, round head and fine large foliage. Its handsome, fragrant flowers, produced early in summer, make the tree especially interesting as well as valuable. A fine tree for street planting and for the lawn. Fine strong trees, 8 to 10 ft., \$1.00. Fine strong trees, 10 to 12 feet, \$1.50.

European White Birch. (*B. alba*.) A graceful tree with silvery white bark and slender branches. 8 to 10 ft., \$1.00 and \$1.50.

Pyramidal Birch. A variety of the above. Beautiful pyramidal habit and silvery white bark. Very distinct and ornamental. \$1.00 each.

JAPANESE MAPLES

A beautiful class of low-growing shrub-like trees, having brilliant colored leaves, which retain their brightness from spring until fall. Nothing finer than these can be had for planting, either in groups or singly on the lawn. Their dense, compact growth, graceful habit and rich-colored foliage make them favorites with all who see them. A large variety to select from. 75c to \$1.00.

MAGNOLIA

Grandiflora. Rare and choice small tree, of the highest ornamental merit. Their elegant habit and foliage alone would render them indispensable, but the flowers, their crowning beauty, are unequalled in size and showy effect among hardy trees and shrubs. A magnificent evergreen, with large, leathery green leaves, more than a foot long; bears large, fragrant white flowers. \$1.00 to \$1.50.

PRUNUS

Pissardi. The purple-leaved plum of Japan; growing into a shapely small tree of much merit. Covered in the spring with clouds of white flowers, followed by leaves, which turn a beautiful bronzy purple color, remaining beautiful a long time. Each, \$1.00 to \$2.50.

ENGLISH HAWTHORN

Rare and beautiful small trees for the lawn so well known as to need no description. The foliage alone is sufficient reason for the culti-

vation of these rare trees, added to which are the beautiful double flowers which appear in late spring.

Double Pink. Fine small tree for lawn planting, bearing in the spring beautiful umbels of pink flowers. \$1.00 to \$2.00.

Double Scarlet. Rich, brilliant scarlet flowers in large umbels. Always in bloom on Decoration Day. Very fine for lawn and cemetery planting. \$1.00 to \$1.50.

Double White. Beautiful pure white flowers, in large umbels, late in the spring. \$1.00 each.

Catalpa, Speciosum. Very large leaves; beautiful tree for lawn. Flowers in July. 6 to 8 ft. trees. \$1.00 each.

Purple Leaf Birch. Foliage beautiful shaded purple; handsome lawn tree. \$1.00 to \$1.50 each.

Beech. A large and beautiful tree; dark green, glossy leaves. 75c, \$1.00 and \$1.50 each.

Cut Leaf Beech. Very graceful, forming a dense, low-growing tree. \$1.00, \$1.50 and \$2.00 each.

Purple Beech. A strong, vigorous grower of elegant habits; foliage dark purple. \$1.00, \$1.50 to \$2.00 each.

Poplar. Caroline and Lambardi. 8 to 10 ft. 75c to \$1.00 each.

Sycamore (Oriental Plane). One of the finest trees for street or lawn; straight trunk and beautiful foliage. Strong trees, 8 to 12 ft., \$2.00 each.

Tulip Tree. A large, stately, rapid-growing tree; narrow, bright green leaves, turning yellow in autumn. Flowers yellow blotched with orange. Fine trees, 8 to 10 ft. \$1.00 and \$1.50 each.

Horse Chestnut. Our well-known and beautiful Horse Chestnut should be planted in every garden. White and Red. 6 to 8 ft., \$1.00.

Spanish Chestnut. A beautiful ornamental tree, grows a fine spreading crown; dark green thick leaf; very stocky. 8 to 10 ft., \$1.25 to \$2.00 each.

American Sweet Chestnut. The fruit is very sweet and fine flavored, rather small but prolific and profitable. Large trees, 8 to 10 ft., ready to bear. \$1.00 to \$1.50 each.

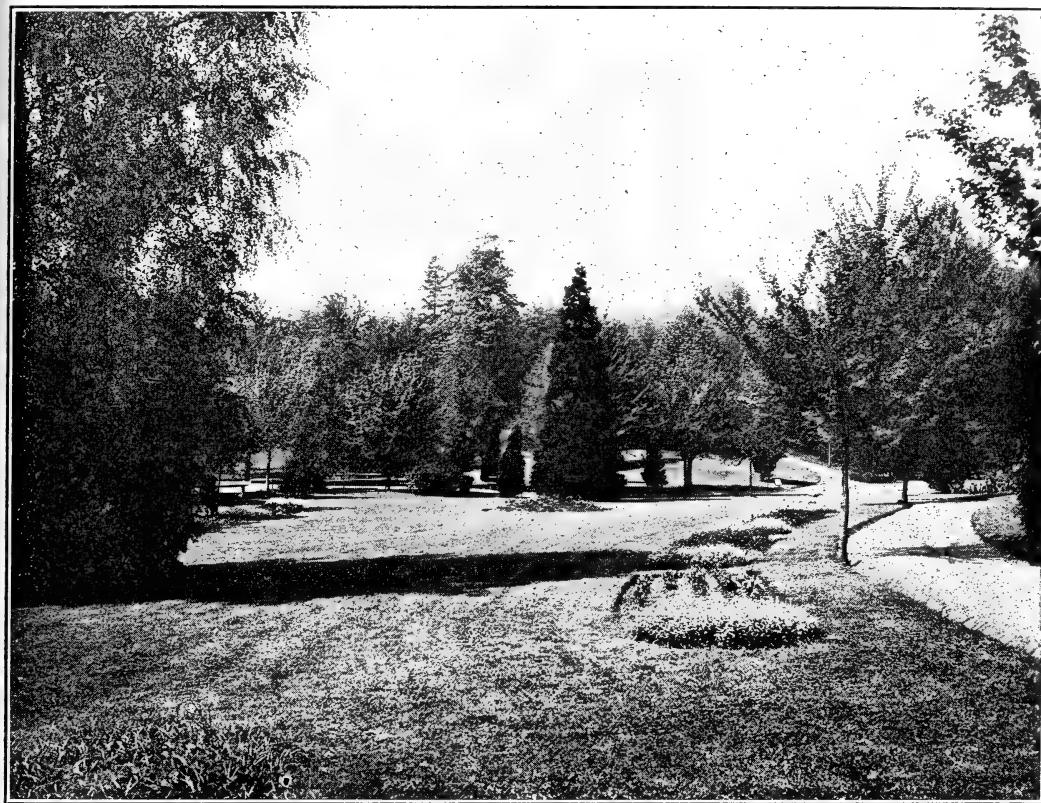
Walnut (English). Mayette is the finest walnut grown; true French stock; is grown very extensively and successfully on the Coast. 3 to 4 ft. trees, 50c and 75c each.

Butternut. A beautiful growing tree; nuts large, rough shell, with sweet, rich, white kernels; large tree. 10 to 12 ft. \$1.25 to \$1.50 each.

WEEPING TREES

Weeping Birch. Cut leaved. 8 to 10 feet, \$1.50; 10 to 12 feet, \$2.50.

Weeping Willow. Kilmarnock. A distinct variety, having reddish shoots and large foliage. They make a most desirable and graceful, drooping small tree for lawns; 6 feet and 2 year heads; each \$1.50.



Evergreen Trees, Shrubs, Etc.

Arbor Vitae. Chinese Golden. Very compact and regular in habit; the foliage assumes a beautiful golden tint in the spring. Choice plants, \$1.00 per foot.

Araucaria, Imbricata. Chile Pine, or Monkey Tree. Each, \$2.50 to \$15.00.

Camellia. Japonica. Very beautiful, winter flowering evergreen; the handsome, shining, dark green foliage and magnificent, wax-like flowers of various colors render them indispensable for the conservatory, and well adapted for parlor or window culture; perfectly hardy in this climate, in the open ground, but should be planted in a shady place and protected first year. We have these in three colors—double white, pink and red; 1½ to 2 feet, each, \$1.00 to \$1.50; large plants, \$2.50 up.

Cedrus. Atlantica. 3 feet, each, \$1.50 to \$2.00.

Dedora, Blue. 2 to 3 feet, \$2.00 to \$2.50.

Cryptomeria. One of the finest evergreens of Japan; of both upright and drooping habit; foliage mostly needle-like; end of branches soft and flexible; \$2.50 to \$4.00.

Cypress. Lawson's. A beautiful tree, native of this state, with elegant drooping branches and very slender, feathery branchlets; 2 to 3 feet, each, \$1.00 to \$2.50; 4 to 5 feet, \$5.00 up.

Daphne (Odora). A very pretty, early flowering shrub, producing pink flowers in March; 2 feet, each, \$2.50.

Alba. Pure white; 2 feet, each, \$1.00.

Holly. (Ilex.) Berry bearing plants; per foot, \$1.00; nice plants, \$2.50 to \$6.00; ordinary stock, per foot, 75c; nice plants, \$1.50 to \$3.00.

Golden Margined. Leaves splashed with pale green; narrow, but irregular, golden edge; per foot, \$1.50.

Silver Margined. Leaves long, dark green, slightly mottled, and with an irregular, narrowish, silvery margin; per foot, \$1.00 to \$1.50.

Juniper. Compacta.. A dense, green, ever-growing shrub; may be trimmed into most any shape; grows about 6 to 7 feet high; \$1.00 to \$5.00.

Irish. A distinct and beautiful variety of erect, dense, conical outline and upright growth; short, glaucous green foliage; \$1.50 to \$5.00.

Laurel (English). Single plants, 1 to 1½ feet, each, 60c; 2 to 3 feet, \$1.00; 4 to 6 feet, \$1.50 to \$2.50.

Write for prices in quantity for hedges.

Laurustinus. 1 to 2 feet and up, 60c to \$1.50.

Pine. Australian or Black Pine. 2 to 3 feet, each, \$1.50 to \$3.00.

Retinospora (Plumosa Aurea). A most beautiful variety, greenish golden yellow all through the year; compact; make the most beautiful show of any evergreen. 1½ to 2 ft., \$1.50; 3 to 4 ft., \$3.00 each.

Yew (Irish). (Taxus Hibernica.) Upright in form, foliage deep green; very compact; one of the most wonderful evergreens for lawns or groups. 1½ ft., \$1.00; 2 ft., \$1.50; 2 to 3 ft., \$3.50.

Spruce (Colorado Blue). No evergreen can excel the true blue Spruce. It is very hardy and will grow where other evergreens will fail. 1 to 1½ ft., \$1.50; 1½ to 2 ft., \$2.50; specimens, \$5.00 and \$10.00 each.

Bay Trees. The most beautiful plant grown. Standards and pyramids, \$7.50 to \$20.00 each.

Box Trees. The most hardy and also the most beautiful lawn trees grown. We import carloads of them and other trees from Holland and have them in all shapes and sizes. Standards, 2 to 5 ft., 19 to 30-inch crown, \$3.50 to \$10.00 each; \$6.00 to \$18.00 per pair.

Box Pyramids. 1½ to 2 ft., \$2.50 each; 2 to 2½ ft., \$3.50 each; 2½ to 3 ft., \$5.00 to \$7.50 each.

Box Pyramids. Untrimmed, 1 to 4 ft. at \$1.50 to \$10.00 each.

Small Box for hedging, \$4.00 per 100.

Coloneaster (Trailing). A trailing evergreen shrub; round, thick, dark green leaves; flower pinkish white and after the blossom it is covered with bright red berries. Fine for rockeries. 35c to 75c each.

HEDGE PLANTS

Box (Evergreen), Dwarf, Common—Fine for borders, edgings or low hedges. 6-inch, each, 15c; per 100, \$10; large, stock, trimmed bushes, each, 1 foot, \$1.00; 2 or 3 feet, \$2.00.

Privet (Evergreen)—Our best hedge plants. 3-year-old plants, 1½ to 2 feet, each, 10c; per 50, \$2.50; per 100, \$5.00.

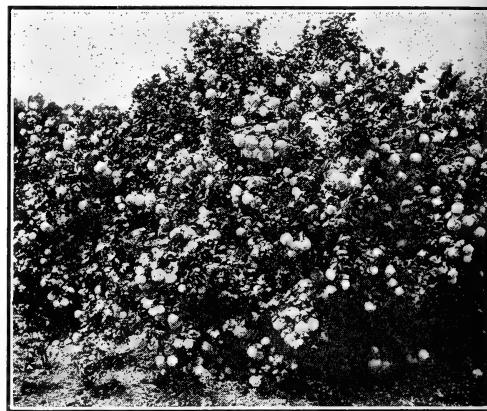
FLOWERING SHRUBBERY HYDRANGEAS

Paniculata Grandiflora. This is a grand shrub, easily grown, very showy and attractive, lasting in bloom for months. It is perfectly hardy anywhere, and is, without any question, the finest hardy shrub in cultivation. It grows 3 or 4 feet high, is very bushy and compact. Blooms in July, at a time when no other shrub is in flower. The flowers are pure white, afterwards changing to pink, and remain beautiful until destroyed by frost. 50c each.

Hortensia Blue. The Japanese Blue Hydrangea, always in great demand for lawn-planting around Seattle, where its immense pyramids of blue flowers may be seen all summer long. Large two-year-old plants, 75c each.

ALTHEA OR ROSE OF SHARON (Hibiscus Syriacus)

The Altheas are free growing shrubs with various colored, usually double flowers, much sought after because of their blooming in August and September. Excellent for general use. Each, 60c.



SPIREAS

Graceful shrubs every one should plant. They are of the easiest culture, and very desirable in collections, for they embrace such a range of foliage, color of flower and habit of growth.

Anthony Waterer. Covered nearly the whole growing season with large umbrels of deep crimson flowers, which measure nearly a foot across. When scarcely three inches high it begins to bloom, and thereafter is seldom out of flower. As a pot plant or for growing in the open ground nothing can equal it. Perfectly hardy. 50c each.

Prunifolia. (Bridal Wreath.) Slender, erect growing variety, having beautifully colored foliage and bearing very early in the spring, small double white flowers the entire length of its branches. Very graceful habit. 50c each.

Van Houtte. The grandest of all the Spireas. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Perfectly hardy and an early bloomer. 50c each.

Purple Barberry. A pretty purple leaf shrub, bearing abundance of yellow flowers in Spring. 50c and 60c each.

BROOM

Broom (Genista). Scotch Broom, very rapid growing; flowers bright yellow. 25c and 50c each.

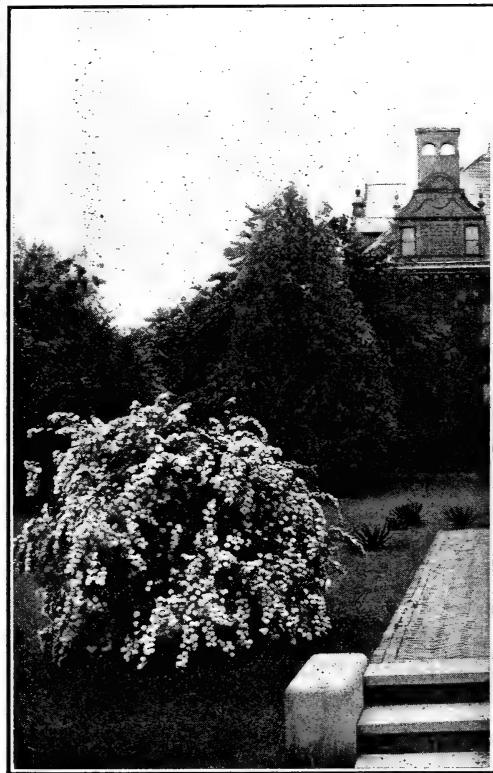
White Broom. Flowers are white, blooms profusely in Spring. 50c and 75c each.

Red Broom (New). Flowers red and yellow, stems a reddish color; very fine. \$1.00 each.

DEUTZIAS

Small-flowered shrubs noted for their freedom of bloom and rapid growth. Through their blooming season entire limbs are thickly studded with flowers.

Gracilllis. A low-growing, compact, bushy shrub, perfectly hardy; blooms early in spring; covered all over with pure white, bell-shaped flowers. 50c each.



JAPAN SNOWBALL

Japan Snowball (Var. *plicatum*). One of the best ornamental shrubs, similar in habit to the preceding. It bears abundant white balls of bloom, that have a beautiful setting in the deep green leaves. When a single specimen is wanted there is nothing more attractive. 75c each; 10, \$6.00.

Old-Fashioned Snowball (var. *sterile*). The old-fashioned Snowball that grows almost anywhere, and always flowers so abundantly. 75c each; 10, \$5.00.

Japanese Dogwood. A small ornamental shrub with pinkish flowers in Summer. 75c each.

Euonymus, Golden. A very fine evergreen shrub with golden variegated foliage; one of the prettiest shrubs for lawns or groups. 75c and \$1.00 each.

Veronica (Varigata). A silver leaved evergreen shrub, with a long feathery flower; very showy in groups of rockery. 50c and 75c each.

Lilac. No place is complete without a lilac. Purple lilacs, 25c, 50c and 75c each; White lilacs, 50c, 75c and \$1.00 each; Red lilacs, \$1.00 and \$1.50 each.

Japan Quince. Bright, scarlet flowers in great profusion. Fine, bright green foliage; very hardy. 50c and 75c each.

Purple Fringe or Smoke Tree. A very pretty shrub for lawns. 50c each.

WEIGELIAS

Eva Ratke. One of the most charming shrubs in cultivation. Cannot be too highly recommended. Lovely large blood-red flowers, borne in such profusion that the whole bush appears a mass of rosy bloom. 75c each.

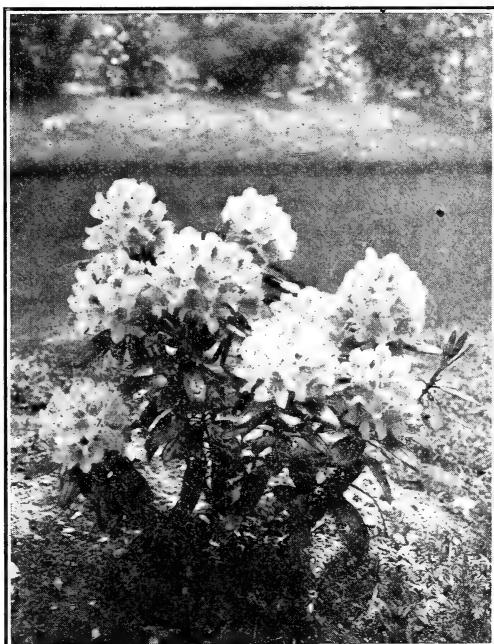
Rosea Variegata. Leaves beautifully marbled, creamy white. Handsome pink flowers in wonderful profusion. 50c to 75c each.

Rosea. Lovely large, rose-colored flowers, borne in such profusion that the whole bush appears a mass of rosy bloom. Strong two-year-old plants, 50c.

AZALIAS

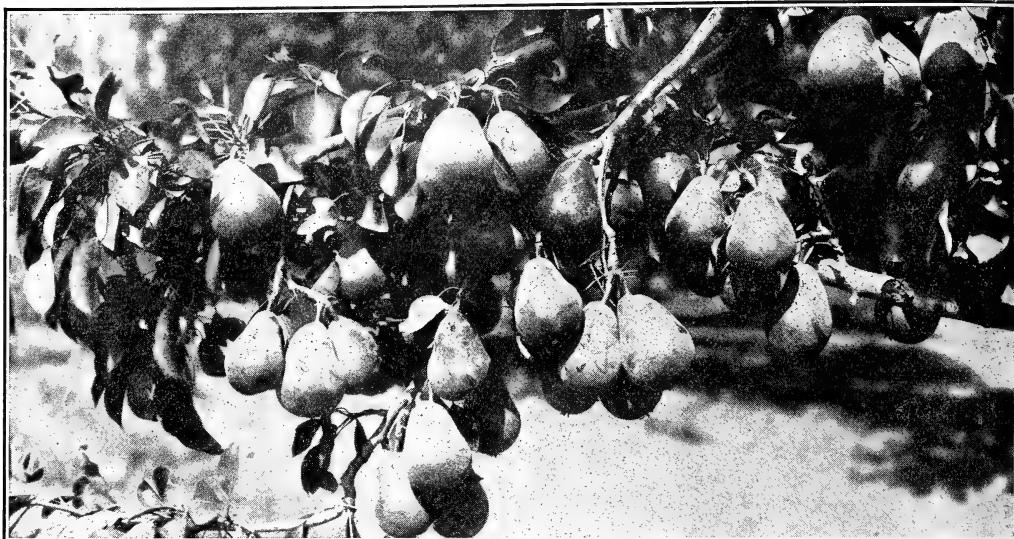
Azalea Mollis. We import them by the thousands from Holland and Japan. No flowering shrub makes as beautiful a show as the Azalea in early Spring and Summer. Colors red, pink, salmon, yellow, orange; plants full of buds, 75c to \$1.25 each.

Azalea Pontica. Colors same as above. All our Azaleas are named varieties and extra choice. 75c to \$1.25 each.



WASHINGTON STATE FLOWER.

Rhododendron. Grafted varieties, magnificent June and July flowering, evergreen shrubs; the finest and the most hardy of all evergreens; they prefer a somewhat shady situation. There are many varieties, the flowers of which are produced in great abundance, and in shades of the following colors: White, blue, purple, cherry, lilac, mauve and crimson. Choice plants, 1½ to 2 feet, and according to number of buds. 8 to 20 buds, \$1.25 to \$2.50 each. **Special prices on large orders.**



BUERRE DE ANJOU PEAR

Fruit Trees, Small Fruits, Grape-vines, Strawberries, Etc.

DO you know the secret of growing big crops of large, luscious fruit? To be successful you must above all things, start right. Get large, strong, healthy, standard-sized stock. This applies to small fruits, just as much as it does to Apple, Cherry, Peach, Pear and Plum Trees, etc. Our principal stocks of fruit trees, small fruits, etc., embrace only those varieties which have been well proved, and can be recommended as the best now in cultivation. We cannot attempt to give complete directions on all points connected with tree planting, but simply a few hints on the more important operations. Transplanting to be considered under the following heads:

1st. The Preparation of the Soil. For fruit trees soil should be dry, either natural or made so by thorough drainage, as they will not live or thrive on a soil constantly saturated with stagnant moisture. It should also be well prepared. On new, fresh lands, manuring will be unnecessary, but on land exhausted by cropping fertilizers must be applied, either by turning in heavy crops of clover, or well decomposed manure or compost. To insure a good growth of fruit trees, land should be in as good condition as for a crop of wheat, corn or potatoes.

2nd. The Preparation of the Trees. In regard to this important operation, there are more fatal errors committed than in any other. As a general thing trees are planted in the ground precisely as they are sent from the nursery. In moving a tree, no matter how carefully it may be done, a portion of the roots are broken and destroyed and consequently the balance that existed in the structure of the tree deranged. This must be restored by proper pruning, adapted to the size, form and condition of the tree as follows:

STANDARD ORCHARD TREES. These, as sent from the nursery, vary from 4 to 6 feet in height, with naked stems or trunks and a number of branches at the top forming a head. These branches should all be cut back to within three or four buds of their base. This lessens the demand upon the roots, and enables the remaining buds to push with vigor. Cut off smoothly all bruised or broken roots up to the sound wood. In case of older trees of extra size, the pruning must be in proportion; as a general thing it will be safe to shorten all the previous year's shoots to three or four buds at their base, and where the branches are very numerous some may be cut entirely.

3rd. **Staking.** If trees are tall and much exposed to the wind, a stake should be planted with the tree to which it should be tied in such a manner as to avoid chafing. A piece of matting or cloth may be put between the tree and the stake.

4th. **Mulching.** When the tree is planted, throw around it as far as the roots extend, and a foot beyond, five or six inches deep, rough manure or litter. This is particularly necessary in dry ground, and is highly advantageous everywhere, both in spring and fall planting. It prevents the ground from baking or cracking, and maintains an equal temperature about the roots.

5th. **After-Culture.** The grass should not be allowed to grow around young trees after being planted, as it stunts their growth. The ground should be kept loose and clean around them, until, at least, they are of bearing size.

Apples

THE Apple is properly termed the "King of All Fruits." It is being planted much more extensively than at any time in its history. Our assortment is as complete as it is possible to make it. The following list includes all of the varieties that are planted for commercial purposes and also those which are usually confined to the home fruit garden.



4 Year Old Gravenstein

Two-year-old, each, 35c; 10, \$2.00; 100, \$18.00.
Select, 2 to 3 years old, each, 50c; 10, \$4.00;
100, \$30.00.

SUMMER VARIETIES

Duchess of Oldenburg. Large yellow streaked with red; tree vigorous and very productive; juicy, with rich sub-acid flavor.

Early Harvest. Medium size; bright straw color; tender and fine; good for table and cooking.

Golden Sweet. Large, pale yellow, tender and rich; good for cooking and market.

Red Astrachan. Large, deep crimson, flesh white, moderately juicy, with an agreeable rich acid flavor; very productive.

Red June. Medium, oblong, deep red; excellent for table use; one of the best early apples.

Yellow Transparent. Medium size, roundish, slightly conical; skin pale yellow; flesh tender, juicy, sub-acid; good.

AUTUMN VARIETIES

Fall Pippin. Very large, yellowish green; tree vigorous and very productive; flesh white, tender and mellow.

Frameuse (Snow Apple). Medium, roundish; greenish yellow, with streaks of deep red on sunny side; flesh remarkably white; very juicy.

Gravenstein. Large, beautifully dashed with deep red orange; tender and crisp, with a highly aromatic flavor; tree very vigorous.

Glory Mundi. Medium, well shaped; yellow, with a very distinct red cheek on the sunny side; flesh white; pleasant sub-acid flavor; excellent for table or cooking.



WINTER VARIETIES

Arkansas Black. Medium, round; yellow where not covered with a beautiful dark maroon, approaching black; flesh firm, fine grained, juicy; a long keeper.

Baldwin. Large, rounded; deep bright red; very productive; one of the best and most popular winter apples.

Golden Russet. Medium, dull russet, with a tinge of red; flesh crisp, juicy and highly flavored.

Jonathan. Medium, conical; brilliant, covered with red stripes; tender and juicy; excellent for table or market.

Mammoth Black Twig. Very large; bright red, pleasant sub-acid; fine late keeper.

Northern Spy. Large, round, greenish yellow, stripes of purplish red; flesh white, juicy, brisk sub-acid; valuable for market and cooking.

Rhode Island Greening. Large, greenish yellow; flesh yellow, fine grained, tender, crisp, juicy and aromatic; excellent for cooking and table.

Roxbury Russet. Medium, dull green and russet; flesh greenish white, with a rich sub-acid flavor.

King of Tompkins County. Very large, globular; yellowish, shaded with red; flesh yellowish, rather coarse, juicy; rich flavor.

Spitzenburg. Large, oblong; yellowish ground with broken stripes of bright red; flesh yellow, juicy with a delicious rich flavor.

Stark. Large, greenish yellow, shaded and splashed with dark red; flesh yellowish, juicy, mild sub-acid; a long keeper and profitable market fruit.

Wealthy. Medium, whitish yellow, shaded with deep red; flesh white, tender and juicy.

Winesap. Medium; yellow ground, streaked with red; flesh yellow, with rich, high flavor; excellent for table and making cider.

Wolf River. Large, hardy and good producer.

Yellow Newton Pippin. Large; skin smooth, golden yellow; flesh firm, crisp, juicy; one of the standard varieties.

NEW VARIETIES OF APPLES

Ontario. The apple novelty; every one should try it; tree of short, stocky growth, thick, healthy foliage; fruit large, handsome, yellow, shaded red cheek; flesh tender, pleasantly sub-acid; entirely new, seldom failing to bear when 3 years old. Price, 50c each.

Clayton. Winter; large, yellow, striped red; productive. Price, 50c each.

Winter Banana. Winter; yellow, blush cheek; sub-acid; medium size. Price, 50c each.

Dwarf Apples. This tree bears at once; takes very little room, and is absolutely the finest and most profitable tree to plant.

Gravenstein, each, 75c; 10, \$6.00.

CRAB APPLES

Hyslop, Transcendent, Yellow Siberian. Each, 35c; per 10, \$2.50 to \$3.50.

APRICOTS

Moorpark. Very large, yellowish green, brownish red on sunny side; flesh bright orange; fine for canning and drying, freestone. Each, 50c to 75c.

Royal. Above medium size; sweet, rich and juicy. 50c to 75c.

Blenheim. Extra fine; new. \$1.00.

CHERRIES

Two-year-old, each, 50c; 10, \$4.00; 100, \$35.00. Select, 2 to 3 years old, each, 75c to \$1.00.

Bing. Originated in Oregon, from seed of Black Republican; fruit large, dark brown or black; very fine; late; a good shipping variety.

Kentish. Best acid cherries, and unsurpassed for cooking purposes; very productive.

Lambert. Fruit of largest size and of fine quality; color deep, rich red; flesh firm and of fine flavor; a fine market variety; ripens two weeks later than Royal Anne.

May Duke. Large, rich, dark red; flesh ten-



5 Year Old Cherry Orchard

der, juicy and sub-acid; an excellent variety, and one of the earliest of its class.

Black Republican. Very early; fine flavor, and good producer.

Black Tartarian. Late; large, black; good seller; fine growing tree.

Early Richmond. The finest sour pie cherry grown.

English Morello. The old favored English pie cherry; best for preserves.

Royal Ann. Sweet; light red; June and July.

PEARS

Two-year-old, each, 50c.

Select, 2 or 3 year old stock, each, 75c to \$1.00.

SUMMER VARIETIES

Bartlett, Clapp's Favorite, Seckel.

AUTUMN VARIETIES

Beurre Clairgeau. Large, yellow, shaded with orange and crimson; covered with russet dots; flesh yellowish, buttery, juicy.

Fall Butter. A favorite fall pear; yellow, sweet and juicy.

Keiffer's Hybrid. Large, rich golden yellow; often tinted with red on one side; flesh slightly coarse, juicy, with a pronounced quince flavor; early bearer; prolific.

Louise Bonne de Jersey. Large, greenish yellow; brownish red in the sun, marked with gray dots; flesh juicy, melting; very prolific.

WINTER VARIETIES

Vicar of Wakefield. Valuable on account of its productiveness; very large and handsome, but of poor quality.

Winter Neils.

Winter Bartlett. Price, 75c each.

PLUMS

Two-year-old, each, 35c; 10, \$3.00; 100, \$25.00. Select, 2 to 3 years old, each, 50c to 75c.

Bradshaw. Reddish purple, juicy and pleasant; adheres partially to the stone.

Columbia. Large size, nearly globular; brownish purple; rich, sugary, freestone.

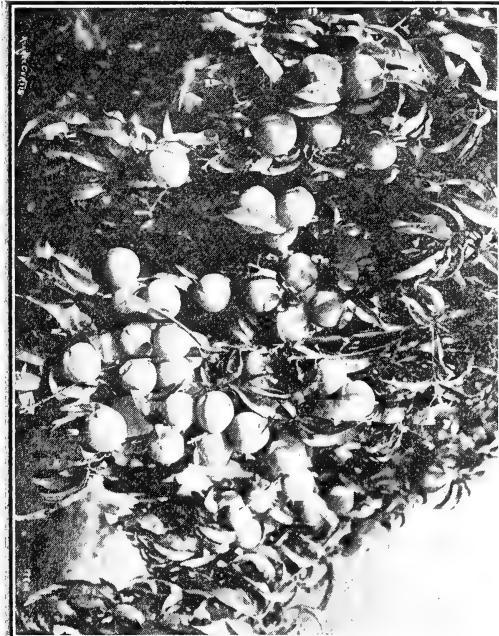
Damson. Small, oval; skin purple; flesh melting, rather tart.

Green Gage. Small, round; flesh pale green, melting and juicy; freestone.

Peach. Very large; skin brownish red, slightly coarse grained, but juicy; freestone; very popular.

Reine Claude. One of the best foreign varieties, and of fine flavor; roundish oval; greenish, marked with red in the sun.

Yellow Egg. Very large; skin of a deep golden color, but rather acid; excellent for cooking; very showy.



PEACHES

Two-year-old, each, 35c to 50c.

Early Crawford. Very large, yellow, with red cheek; flesh sweet and excellent; our most popular peach for table and canning; freestone.

Late Crawford. Same as above, but later; good keeper.

Elberta. Very large, bright yellow, red cheek; flesh yellow, juicy, sweet, regular bearer; fruit very showy and perfect; freestone.

PRUNES

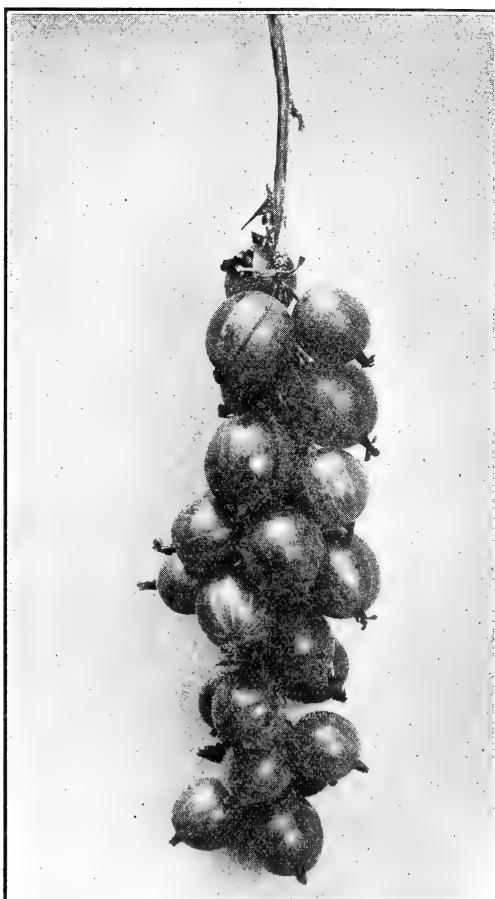
Hungarian, Italian (Fellenberg), Petite (French), Silver, Sugar (New). Select 2 to 3 years old, each, 35c; 10, \$2.50; 100, \$20.00.

Select, 2 to 3 years old, each, 50c to 75c.

QUINCE

Champion, Orange.

Two-year-old, each, 75c; 10, \$6.00.



GOOSEBERRIES

Two years old, each, 10c; 10, 75c; 100, \$6.00
Large, selected bushes, each, 25c.

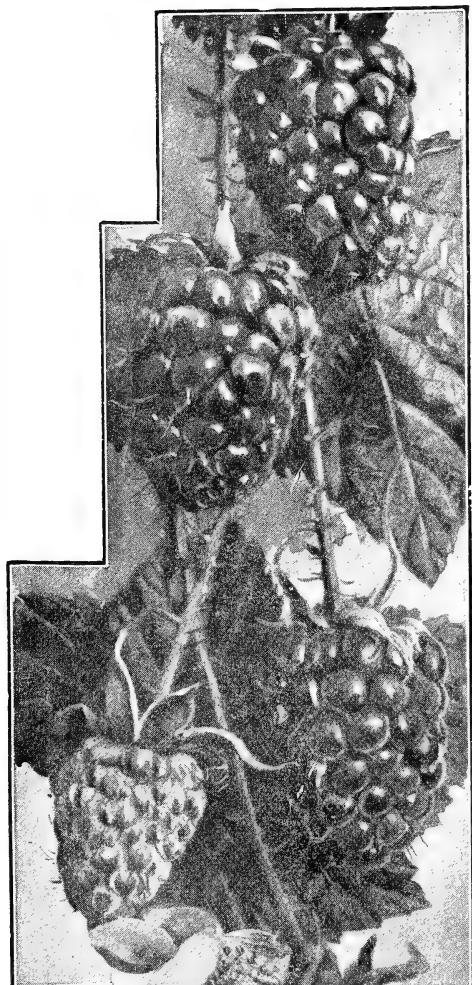
Houghton. Vigorous grower, abundant bearer; fruit of medium size, pale red, sweet and juicy.

Oregon Champion. Berries very large, pale green color; very sweet and fine for table use and pies; bush strong, not very thorny; very prolific bearer; most popular sort we have.

Red Jacket Josselyn. Of large size; smooth, prolific and hardy; of best quality; a wonderful cropper, with bright, clean, healthy foliage. Prices, each, 25c; per 10, \$2.00.

Industry. Large oval; dark red, hairy, rich and agreeable; vigorous and productive. Prices, each, 30c; per 10, \$2.50.

Pearl. Very large yellowish green. One of the finest European berries. For eating ripe they are delicious. No garden should be without a few bushes. 25c each, 10 for \$1.50.



BLACKBERRIES

Lawton. Each, 10c; per 10, 75c; per 100, \$6.00.
Kittatinny.

Each, 10c; per 10, 75c; per 100, \$6.00.

Evergreen. Price, each, 15c; 10 for \$1.25;
100 for \$8.00.

New Mammoth. This wonderful new blackberry, which was introduced as a novelty several years ago, has proved to be a grand addition to the list of blackberries. The handsome, large, juicy berries are delicious. Prices: Two years old, 25c each; \$2.00 per 10, \$15.00 per 100. One year old (tips), 20c each; \$1.25 per 10; \$10.00 per 100.

BURBANK'S PHENOMENAL

A New Berry. Mr. Burbank's latest triumph. It is a cross between the "Improved California Dewberry" and the "Cuthbert Raspberry." Takes its color and flavor from the latter, and size and shape from the former. Prices: Two years old, 25c each; \$2.00 per 10; \$15.00 per 100.

LOGANBERRY

(Raspberry-Blackberry.)

This comparatively new berry is becoming more popular each year. An exceedingly strong grower and an enormous bearer.

Prices: Two years old, 20c each; \$1.50 per 10; \$12.50 per 100.

One year old (tips), 15c each; \$1.00 per 10; \$7.50 per 100.

CURRENTS

Two-year-old, each, 15c; 10, \$1.25; 100, \$10.00.

One-year-old, each, 10c; 10, 75c; 100, \$6.00.
Extra large selected bushes, each, 25c.

Fay's Prolific. A new currant, which has well sustained the claims of its disseminator; it is larger than the Cherry, has less acid, and is much more prolific.

Victoria. Large, bright red bunches, very long; an erect grower; late, productive and very valuable.

New Varieties. Perfection. Each, 50c; doz., \$4.50.

Black Naples. Very large, black; valuable for jams and jellies.

Cherry. Very large; deep red; fine for preserving; valuable market variety.

White Grape.

GRAPES

Extra large and strong roots, 25c each; per dozen, \$2.00.

Concord. Large, purple, bright bunches, very long; an erect grower; late, productive and very valuable.

Moore's Diamond.

Moore's Early. Bunch medium; berry large, resembling Concord, but more pulp, and is earlier.

OUR SUPERB LAWN GRASS MIXTURE PRODUCES THE FINEST LAWNS.



RASPBERRIES

Gregg (Black). Best late blackcap, market favorite. Canes strong, productive; berries large, covered with bloom; firm, meaty and fine flavor. Per doz., 60c; 100, \$5.00.

Cuthbert, or Queen of the Market. A remarkable strong, hardy red variety. Berries large, conical, rich crimson; flavor sweet, rich and delicious. Doz., 60c; 100, \$4.00.

Marlboro. Fruit of largest size, bright scarlet, excellent flavor. Good shipper, heavy canes, early and hardy. Doz., 75c.; 100, \$6.00.

Superlative. A comparatively new Red berry, probably the largest and best grown. Fruit large and solid, core small, quality extra; very productive. Dozen, \$1.50.

We can also supply other varieties, such as Kansas, Red Antwerp, etc. Doz., 50c; 100, \$4.00.

Strawberry Plants

CULTIVATION. When the plants begin to spread and the roots to extend, care should be taken that the roots be not injured by the cultivator, and our plan is to shorten the cultivator teeth that run next the plants by about two inches. When thus shortened the teeth will still go sufficiently deep to break the crust near the plants without danger of cutting the roots of the plants. About two times a month we run the five-tooth cultivator through the center of the space between the rows, stirring the soil to a depth of four or five inches. This loosens up the soil where the horse has tramped it down when doing the shallow cultivation.

One very important practice you should adopt whether your last cultivation be early or late; be sure before stopping the work to make a furrow four or five inches deep down the center of the space between the rows of plants, so that all surplus water from rains or melting snows may have immediate outlet. This will prevent its settling about the crowns.

Price List of Plants.

	Dozen.	100.	100.	1000.
	By Mail,	By Express or	Freight Packed in	
	Postpaid.			
Magoon	\$0.25	\$1.00	\$0.60	\$4.50
Marshall .....	.35	1.25	.75	6.00
New Oregon—Improved.....	.35	1.25	.75	6.00
Wilson .....	.40	1.75	1.25	7.00
Clark's Seedlings .....	.25	1.00	.60	4.50

Goodell Strawberries

At the Alaska-Yukon-Pacific Exposition Prof. Van Deman, the noted fruit expert, had his attention called to a strawberry named the Goodell. It was in competition with such berries as Marshall, Clark Seedling and other standard varieties, but far out-classed them all on every point, having better flavor, sweeter, the meat red to the core, with an aroma of the wild berry. In fact it has two crosses of wild berry—one of wild Alpine and one of native wild berry. A thorough investigation will convince any one that the Goodell is the greatest of all known varieties, and that Mr. Goodell is deservedly called "the Burbank of the Northwest" in strawberry culture.

We secured the right to handle this plant, and now have ready for market many thousand plants. Prices are \$1.00 per dozen or \$5.00 per hundred delivered by mail or express free of charge.

Asparagus

One of the earliest and finest vegetables; very easily grown. A bed once planted is good for years if properly attended to and well manured.

Cultivation. See that the ground is well drained, work it up fine and deep and make it very rich with fertilizer or barnyard manure. Place the plants eight inches apart in rows three feet apart. Spread out the roots in a trench made deep enough to permit their crowns to be covered with three or four inches of mellow earth. Give the bed liberal dressings of fertilizer at intervals, and, except near the sets, three pounds of salt per square yard early every spring. Do not cut for use until the plants have grown two seasons.

We can supply Connover's Colossal, Palmetto and Columbian Mammoth White.

Two-Year-Old Plants. Postpaid, 40c dozen; \$1.00 per 50; \$1.50 per 100. By express or freight, 25c dozen; 75c per 50; \$1.00 per 100; \$8.00 per 1000.

Mushroom Spawn

Culture.—Mushrooms may be grown in cellars, under benches of greenhouses, or in sheds, wherever the temperature of 50 degrees can be kept up through the winter. The beds should be made from November to February, according to the time the mushrooms are wanted, and it requires about two months for them to begin bearing. Secure fresh horse-manure, free from straw and litter, and mix an equal bulk of loam from an old pasture with it. Keep this under cover, taking care to turn it every day to prevent heating, until the pile is large enough to make a bed the required size. Three or 4 feet wide, 8 inches deep and any length desired are the proper proportions for a bed, but these may be varied. Prepare the mixture of loam and manure, making the bed in layers, and pounding down each with the back of the spade. Leave this to heat through for a few days, and as soon as the heat subsides to 90 degrees, make holes in the bed about a foot apart each way, into which put pieces of the spawn 2 or 3 inches in diameter; fill up the holes with the compost, and at the expiration of a week or ten days the spawn will have thoroughly diffused itself through the bed. Spread a layer of fresh soil over the heap to the depth of 2 inches and cover with 3 or 4 inches of hay, straw or litter. Examine the bed often to see that it does not get dry. Take special care, however, when water is given, that it be at a temperature of about 100 degrees.

American Spawn, in bricks, per lb., 25c; per brick, 35c.

English Spawn, in bricks, per lb., 25c; per brick, 35c.

Transportation charges extra.

Hop Vines

Grown very extensively for the hops; also planted largely for shade and covering fences, buildings, etc.; rapid growers.

English Cluster. The best sort. Strong roots, postpaid, 5c each; 40c per dozen. By express, 25c per dozen; \$1.50 per 100. Write for prices if wanted by the 1000.

Rhubarb, or Pie Plant

This deserves to be ranked among the best early products of the garden. It affords the earliest material for fine pies and fresh table sauce, continues long in use and is valuable for canning.

A deep rich soil is indispensable to secure large, heavy stalks. Plant in rows four feet apart, with the plants three feet distant. Set so that the crowns are about an inch below the surface. Apply annually, in the fall, top dressing of stable manure, and fork under in the spring.

Giant—Best Hardy Variety. Two-year-old roots, 15c each; \$1.50 per dozen. By express or freight.

If wanted in larger quantities, write for special prices.

Burbank Crimson Winter. A widely advertised forcing variety of great value, the flavor and quality being superior to any other rhubarb. Comes on very early and lasts through a long season, hardy in some sections, but gives best results when protected. Must be propagated from root divisions, as it does not

come true from seed. Large clumps, each, \$1.00; doz., \$10.00; divided roots, each, 25c; doz., \$2.50.

Victoria Mammoth (see back cover). This is the largest of all rhubarb; very tender; finest for home use and by far the best seller on the market. Price, each, 25c; per doz., \$2.50.

NOTE—We advise our customers to order the above roots by express or freight, if possible, as it enables us to send much larger and better rooted plants, at a less cost to the buyer.

Horse Radish

This useful condiment is easily grown and prefers a rich, moist loam. Plant in rows eighteen inches apart, putting the sets one foot apart, being careful to place the thin end down in the ground. Constant cultivation greatly improves the size and quality.

Postpaid, 5c each; 40c per dozen. By express or freight, 25c per dozen; \$1.50 per 100. Write for prices by the 1000.

Vegetable Plants

We grow large quantities of vegetable plants, and can supply all the kinds listed below, in their proper season, in most any quantity. We have made arrangements this year so that we can supply all vegetable plants in two grades. If you want a quantity of plants write us early.

Transplanted plants are much stronger and better rooted, and are well worth the price, especially in the early part of the season. We can supply most any of the leading sorts. No plants sent C. O. D.

Write for prices in large quantities.

Celery—	Postpaid. By Exp.
	Dozen 100. 1000.
Leading kinds, transplanted...	\$0.25 \$0.75 \$6.00

Tomatoes—	Postpaid. By Exp.
	Dozen 100. 1000.
Leading kinds, transplanted...	\$0.30 \$1.00 \$7.00
Add 40c per 100 for tomato plants by mail.	

Cauliflower—	Postpaid. By Exp.
	Dozen 100. 1000.

Early Snowball, transplanted..	\$0.30 \$1.25 \$8.00
Late kinds, transplanted.....	.30 1.00 7.00

Add 25c per 100 for cauliflower plants by mail.	
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Cabbage—	Postpaid. By Exp.
	Dozen 100. 1000.
Early or late kinds, trans-	
planted	\$0.20 \$0.75 \$6.00
Add 25c per 100 for cabbage plants by mail.	

Every Seed Tree Plant is grown by us or contracted by us from Europe's or Japan's largest growers and horticulturists. We have spent over 30 years in growing and selling seeds, trees, roses, bulbs, etc., and we are extremely careful that all goods sent out are absolutely fresh and will give satisfaction.

We particularly invite a trial order from those who have not as yet tried us.

Formation of Lawns from Seed

About Lawns and Lawn Grass Seeds

THE ground should be thoroughly drained and well prepared. The soil ought not to be too rich, as a rapid growth is not wanted in grasses of a lawn; but the surface should be as much alike in quality as possible and thoroughly pulverized. After sowing, the ground should be rolled and cross rolled in order to press the seed firmly into the soil, and ten days or so thereafter a light application of Aabling's Lawn Fertilizer mixed with an equal quantity of good loam or sand will serve to stimulate the growth of the young grasses. The best time to apply this is just before a rain, the idea being to have the fertilizer washed into the roots. The proper time to sow grass seed depends, of course, upon the local conditions. In most localities from March 15 to the middle of June is the best time, but in favorable seasons the sowing may be done up to July 1. Seed may also be sown in the fall, from the latter part of August to the end of September. The sowing should be done when the ground is moist, or before an expected rain, and a subsequent rolling is always advisable. As to weeds in newly made lawns, it may not be generally known, but many weed seeds actually lie dormant in the ground for six or seven years and will germinate and make their appearance when the soil is turned up. The annual wild grasses, such as Crab or Summer grass, must be pulled up by the roots before they ripen their seed in Fall. This is the only sure way to rid lawns of these pests.

Rolling. In the spring the land should be gone over with a heavy roller. Winter frosts loosen the soil, and rolling is necessary to compress it again. Roll frequently.

Mowing. All turf-forming grasses are improved, both in vigor of root-growth and in fineness of texture, by frequent mowings. It is impossible to say just how often the grass should be mown, as that depends upon the rate at which it grows. Too close cutting should be guarded against, however, especially during the hot summer months, when the roots require some top-growths to protect them from the burning sun. A good top-growth is also necessary to protect the roots from severe winter frosts.

It is a good plan to sow on good land, in any out-of-the-way place, strips of sod to be used for patching poor parts of the lawn, or for grass borders, etc.

N. B. We shall be pleased to make special mixtures for particular purposes or to suit exceptional conditions of soil, situation or climate. We invite consultation about any difficulties you may have in any place.

Some of the Most Beautiful Lawns in America have been made with Our Superb Lawn Grass Mixture

It produces a perfect and permanent sward of luxuriant richness in a few weeks' time and is equally valuable for improving old lawns.

OUR LAWN GRASS MIXTURE

This extra-choice mixture contains a large proportion of the finer and more expensive species in extra-heavy samples, bringing the

weight up to 20 pounds per bushel, and producing a turf of the closest and finest texture possible. Per lb., 40c; 10 lbs., \$3.75; 100 lbs., \$35.00.

Kentucky Blue Grass. First grade, lb. 35c; 10 lbs. \$3.00.

Kentucky Blue Grass. Second grade, lb. 25c; 10 lbs. \$2.00.

White Clover. Imported Dutch, lb. 45c; 10 lbs. \$4.00.

Creeping Bent Grass (Agrastis), lb. 40c; 10 lbs. \$3.50.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.



Clover and Grasses for Hay and Pasture

GRASS SEEDS

"Prices quoted on highest grades only; 25 lbs. and up of any one sort sold at 100-lb. rates.

The prices may change as the season advances. As the crop has been very short, prices are high, but the quality is of the highest.

Rhode Island Bent Grass (*Agrostis Canina*). Makes a beautiful, close, fine turf, and is one of the best grasses for lawns. It adapts itself to almost any soil, rich and moist, or dry, sandy and sterile. 1 to 2 ft. high; 50 lbs. to acre; 16 lbs. per bus. Lb., 50c; 10 lbs., \$4.50; 100 lbs., \$42.00.

Creeping Bent (*Agrostis Stolonifera*). It is one of the fewer non-tuft forming varieties, shooting forth in a creeping way its roots, not only subterraneously, but also, though in a smaller degree, on the surface of the soil. This habit makes this variety especially valuable in mixtures. It is of fine texture, is improved by constant trampling, and is most valuable for putting greens. 10 to 25 in. high; 50 lbs. to acre. Lb., 45c; 10 lbs., \$4.00.

Red Top (*Agrostis Vulgaris*). A very hardy native perennial grass, succeeding best on moist land. It accommodates itself to a variety of soils, however, even in quite dry situations, and stands our hot climate admirably. It is perhaps the most permanent grass we have, and it enters largely into the composition of our best natural pastures. Absolutely clean seed (free from chaff). 1 to 2 ft. high; 1 bus. to acre; 36 lbs. to bus. Lb., 25c; 100 lbs., \$22.50.

Brome Grass (*Bromus Inermis*), or Hungarian Fodder. A native of Hungary, where it is considered one of the best hay grasses, yielding a good return in the arid and silicious soil. This grass should only be used on poor soil; if used on good soil with other grasses its growth is so strong it will kill the other grasses out. It is relished by horses, but cattle do not care much for it. 30 to 40 in. high; 35 to 40 lbs. to acre; 12 lbs. per bus. Lb., 18c; 10 lbs., \$1.60; 100 lbs., \$15.00.

Crested Dogtail (*Cynosurus Cristatus*). One of the most useful under grasses for permanent pasture, not so much on account of great productivity, but especially for its exceptionally great nutritive value. It prefers a heavy, moist soil, and though the cattle only eat the stems when young and leave the full-grown ones, they graze off the blades with eagerness. It materially improves the crops, both for hay-making and grazing purposes. Its deep green, very narrow blades and its dwarf growth render it the most appropriate grass for lawns. 20 to 25 in. high; 30 lbs. to acre; 30 lbs. per bus. Lb., 50c; 10 lbs., \$4.50; 100 lbs., \$40.00.

Orchard Grass (*Dactylis Glomerata*). A grass of great agricultural and nutritive value. One of the five most valuable grasses for permanent pasture, forms large tufts and deep roots, with an abundance of rather broad leaves; thrives well in nearly all sorts of climates and soils. Not suitable for lawns, but does well in shady places and under trees, where other grasses fail to grow. 3 ft. high; 3½ bus. to acre; 14 lbs. per bus. Lb., 30c; 10 lbs., \$2.75; 100 lbs., \$25.00.

Hard Fescue (*Festuca Duriuscula*). A small-growing, even tuft-forming grass, with narrow blades and still finer bottom leaves of a deep green color; fine for lawns; it thrives on both middling and light soils, and is a very useful grass, especially on such soils where the more valuable varieties would do well only with a satisfactory rainfall, a thing of which one is seldom sure. 20 to 25 in. high; 30 lbs. to acre; 20 lbs. per bus.; lb., 35c; 10 lbs., \$3.00.

Sheep's Fescue (*Festuca Ovina Tenuifolia*). Grows well on light, sandy or gravelly soils; does well for sheep pastures, where the finer grasses would fail. It is very hardy, resisting extreme heat and cold. 20 to 25 in. high; 35 lbs. to acre; 16 lbs. per bus. Lb., 35c; 10 lbs., \$3.25; 100 lbs., \$30.00.

Meadow Fescue (*Festuca Pratensis*). A valuable grass of fine quality, and one of the best for permanent pasture. It yields an abundance of fodder of great nutritive value, much liked by all sorts of stock. It likes both heavy and middling well manured, though not marshy, soils. It answers both purposes, that of grazing and that of haymaking. 35 to 40 in. high; 40 lbs. to acre; 27 lbs. per bus. Lb., 35c; 10 lbs., \$3.25; 100 lbs., \$30.00.

Fancy English Rye Grass (*Lolium Perenne*). A carefully selected, short-seeded, dwarf-growing strain, suitable for lawns. Makes a fine green turf in three weeks. 1½ to 2 ft. high; 50 lbs. to acre; 30 lbs. per bus. Lb., 20c; 10 lbs., \$1.50; 100 lbs., \$12.00.

Italian Rye Grass (*Lolium Italicum*). An annual rye grass of very rapid growth, standing

extremes of temperature, remaining green throughout the winter, and retaining its freshness in the hottest summer months and during prolonged droughts. On rich, moist soils it is exceedingly productive, and may be cut in four or five weeks after sowing and every six weeks after that until frost. For temporary meadows, on good soils, it is a most valuable grass. 1½ to 2½ ft. high; 50 lbs. to acre; 22 lbs. per bus. Lb., 15c; 10 lbs., \$1.25; 100 lbs., \$12.00.

Timothy, or Herd's Grass (*Phleum pratense*). As a crop to cut for hay, it is probably unsurpassed by any other grass now cultivated. 2 to 3 ft. 25 lbs. to acre.

Canada Blue Grass (*Poa Compressa*). A very hardy perennial grass, with creeping root-stalks forming a close and durable turf of fine texture. It grows on the poorest and driest soils, sandy, gravelly or clayey, standing extremes of wetness or drought, and keeping green until the severe frosts of winter. It is said to be especially valuable for dairy pastures, cows feeding on it yielding the richest milk and finest butter. 6 to 18 in. high; 60 lbs. to acre; 14 lbs. per bus. Lb., 25c; 10 lbs., \$2.00; 100 lbs., \$18.00.

Kentucky Blue Grass (*Poa Pratensis*). A valuable under grass for permanent pastures. It is good for both grazing and haymaking purposes. It grows on fairly good and light, warm soils and can stand drought very well. It is a fine grass for lawns of light soil, for which its creeping, spreading and thickly-covered turf-forming capacity makes it well adapted. 25 to 30 in. high; 50 lbs. to acre; 14 lbs. per bus. Lb., 40; 10 lbs., \$3.50; 100 lbs., \$35.00.

Clover

WE quite present prices on as many of the Clovers as it is possible to offer as we go to press. We shall be very glad to quote prevailing prices on the sorts not offered at any time and we solicit inquiries. It is understood of course that all are subject to market fluctuations.

Alfalfa, or Lucerne (*Medicago sativa*). Requires deep, rich, well-drained soil.

Alsike, or Hybrid Clover (*Trifolium hybridum*). A perennial, 1 to 3 feet high, succeeding best in cold and stiff soils, and in marshy lands which are too wet for other species. It grows well in the far north and in high altitudes, and can withstand severe cold. A good honey plant for bees. 15 lbs. to the acre. Price variable.

Crimson, or Scarlet Clover (*Trifolium incarnatum*). Erect annual, 1 to 2 feet high, with bright scarlet flowers. It is a native of southern Europe and is now largely grown in our southern states for improving the soil by turning under. It will not stand severe winter weather. It makes a very valuable crop for pasture or green manure. For hay it should be cut when in full bloom. Sow 20 lbs. to the acre. Price variable.

Red Clover, Medium (*Trifolium pratense*). One of the most valuable farm crops of the

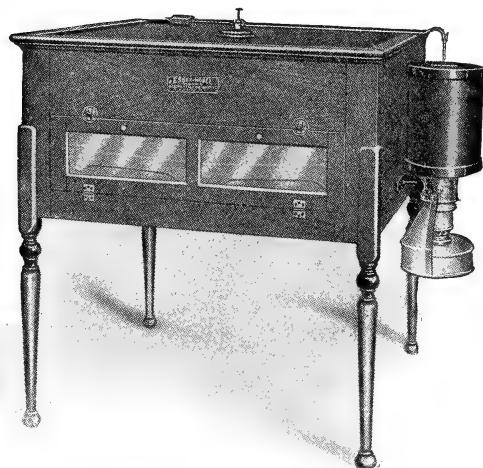
western states for pasture, soiling, hay or turning under for green manure. It requires a deep, rich soil, and yields two hay crops in the season. In this section, sow in the fall or spring at the rate of 15 lbs. to the acre. Price variable.

White Clover (*Trifolium repens*). Some white clover is usually included in lawn grass mixtures. It makes an excellent turf that stands constant trampling. It is of dwarf habit, the stems creeping and rooting at the joints. It spreads rapidly, and is very hardy. It is valuable in permanent pastures, its foliage being sweet and nutritious. Sow in the spring. In mixtures, 1 or 2 lbs.; if alone, 8 or 10 lbs. to the acre. Price variable.

N. B.—All prices are subject to market fluctuations. Prices quoted are those ruling October 1, 1912.

WRITE FOR SPECIAL PRICES.

Essex-Model Standard Incubators



OUR "Standard" Incubators are known throughout the world as the "Incubators of Quality." In addition to being the only incubators built of Hardwood (made of High-Grade Chestnut) they possess double walls and tops, thoroughly insulated and packed; doors of double glass; metal heater with heavy asbestos jacket; New 1912 lamp support; and are equipped with Essex Corrugated Thermostat (Patented), the most sensitive and quickest-acting Heat Regulator made.

Compare the Egg Capacity and Prices of these machines with any other make of High-Grade Incubators, and you will find that in addition to their Superiority they are also in size the greatest value for your money.

They combine in the Highest degree STRENGTH, DURABILITY, FINISH AND HATCHABILITY.

COMPLETE with Lamp, Thermometer and Egg Tester. No Extras for You to Buy. Acknowledged as America's Leader in Artificial Incubation. Used and Recommended by Government and State Experiment Stations and by Leading Fanciers and Large Commercial Poultry and Duck Plants throughout the Country.

No. 0—Holds 100 eggs. Price.....	\$18.00
No. 1—Holds 175 eggs. Price.....	\$23.00
No. 2—Holds 275 eggs. Price.....	\$32.00
No. 3—Holds 410 eggs. Price.....	\$37.00
No. 4—Holds 324 duck eggs. Price.....	\$43.00

Middle-Priced Essex Model Incubators for 1913

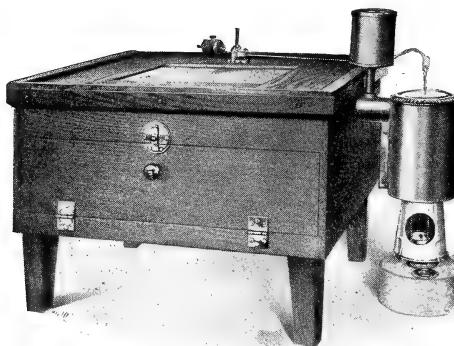
THIS is our new line of MIDDLE-PRICE Incubators for those earnest Poultry Keepers who want nothing but a reliable Hatcher, but who prefer not to invest the amount required by the purchase of our higher-priced, more highly-finished "Standard" Machine that is made of Hardwood throughout. These MIDDLE-PRICE Incubators have become quite popular, because while they are comparatively low in price they are High in quality. Substantially constructed of pine, with fine "Mission" finish, possessing double insulated walls and top; and equipped with Heater, Thermostat, Lamp Support, similar to those used in our "Standard" machines described on the opposite page, they are without doubt Leaders among Low-priced Incubators—the best on earth for the money—and they are Guaranteed.

Compare the prices of these Incubators with those asked for any other high-grade machine holding as many eggs, and you will find that our MIDDLE-PRICE machines cost less by about one-half—and they do better work. In other words, They are Worth More, but Cost Less.

Complete with Lamp, Thermometer and Egg Tester.

No. A—Holds 70 eggs. Price.....	\$11.50
No. B—Holds 120 eggs. Price.....	14.00
No. C—Holds 200 eggs. Price.....	22.00

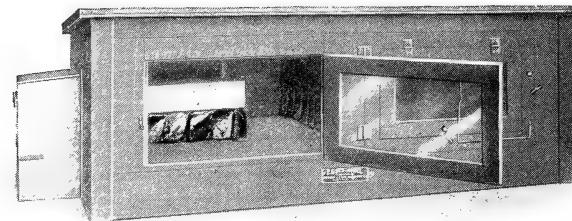
ASK FOR OUR BIG INCUBATOR CATALOG



THE NEW HOMESTEAD HATCHER for the first time places before breeders an opportunity to secure a High-Class Hot-Water Incubator at a price that during past years has been asked for cheaply-constructed, made-to-sell machines. Constructed of first-class lumber, having a splendid, attractive Rosewood finish, a heating equipment composed wholly of copper, and an egg capacity equal to the higher-price machines, the NEW HOMESTEAD HATCHER has at once jumped into the front rank as the most popular hot-water machine ever offered. Manufactured by a Company that has always given the breeder more than value asked, made on a principle that insures its hatching quality, and backed by a guarantee of satisfaction to the buyer, the reader will absolutely take no chances in any respect when he selects this wonderful Machine. It excels all other similar machines in Appearance, Durability, Quality of Heating Equipment, Method of Construction, and at the same time by virtue of the large number manufactured it has been placed upon the market at a price far lower than any other machine of its capacity and class. To buy one, and to run it through a hatch, is proof to the Manufacturer that you will recommend it to your friends.

A new feature in this machine—one that is not possessed by any other—is the double glass in the top through which the eggs and chicks may be seen in course of incubation. The thermometer is also in full sight, and a greater number of eggs is visible than in any other machine of this size.

The NEW HOMESTEAD HATCHER holds 70 Eggs. Price, \$9.00.



ESSEX-MODEL STYLE C OUTDOOR COLONY BROODER AND ROOST COOP

America's Original "Colony" Brooder with 1912 Improvements. Triple roof with double insulation, making five thicknesses over Nursery; also double walls with insulation, making triple walls in Exercise Chamber. The best Brooder on earth regardless of price, and the price is low. Price \$15.00.

Model A Size 47 $\frac{1}{2}$ x28 $\frac{1}{4}$ inches, for 75 to 100 chicks. Price \$9.00.

Model B, 58 $\frac{1}{4}$ x34 $\frac{1}{2}$ inches, for 100 to 125 chicks. Price \$11.00.

ESSEX-MODEL PORTABLE HOVER AND HEATER FOR 1913

Complete with Lamp Box, Lamp and Thermometer. All ready for operation. No extras for you to buy. Price \$7.50.

Sea-Port Incubator

(Hot Water)

The Machine That Gets Results.

Sea-Port No. 120 (Capacity, 120 to 125 eggs). (Shown without our safety lamp bracket).

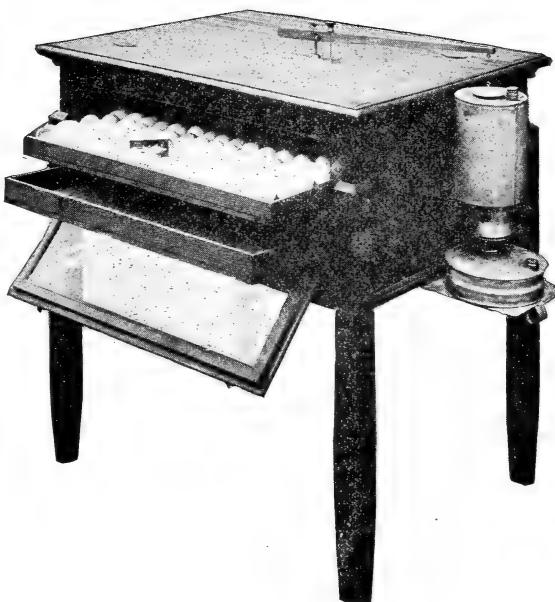
The dead air space isolation used in this machine is the most scientific method of isolation known whereby the Sea-Port maintains an even temperature throughout the hatch. The regulator is one of the simplest and most accurate devices ever used in any incubator. We have yet to hear of eggs being chilled or cooked in a Sea-Port incubator; it is with ordinary care an impossibility.

This little regulator works perfectly.

The sizes and prices of Sea-Port incubators are as follows:

65 egg capacity.....	\$15.00
120 egg capacity.....	18.00
240 egg capacity.....	28.50
360 egg capacity.....	38.00

In the construction of this incubator we assure the readers of this catalogue that the best of material and workmanship are employed, and that after many years' experience in handling machines of all kinds we feel that as a hot water machine the Sea-Port rivals all others in workmanship, durability and ef-



ficiency. Every machine is covered by a five-year guarantee by the manufacturers.

Essex-Model Improved Chick-Comfort Hover

The Essex-Model Chick-Comfort Hover is constructed on the most effective principle—one that furnishes the chicks more heat in a shorter period than can be obtained in any other Brooder or Hover, and the only Hover of its kind possessing proper automatic ventilation. Before buying any Hover you should satisfy yourself that there is a means for removing the foul air from the chicks under the hover. The Essex-Model Chick-Comfort is the most simple to operate of any Hover on the market. It is made wholly of metal, and is

therefore lice-proof and fire-proof. Can be used advantageously anywhere at any time, and is portable—removable. By the advanced method of construction a cushion of warm, fresh air is retained above the chicks at all times. It possesses the plan of construction that all Essex-Model Brooders and Hovers possess, enabling you to carry out the Essex-Model plan of chick-raising, viz: "You should see every chick every day. Know their condition, and be successful." Capacity, 150 to 200 chicks. Price.....\$9.50

**SPRAY OFTEN AND
THOROUGHLY**

See Pages 82 and 83

SUPERIOR FERTILIZER

5 lbs.. . .	25c
10 lbs.. . .	50c
25 lbs.. . .	1.25

Analyzed by the State Chemist,
Pullman College



What Zenoleum Is and What It Does.

ZENOLEUM DISINFECTANT AND ANIMAL DIP.

Zenoleum is a concentrated solution of coal-tar. It mixes with hot or cold water, making a perfect emulsion that requires no boiling or stirring. It will penetrate deeper and more rapidly than any other disinfectant.

Every individual who owns a horse, cow, hog, sheep, chicken or dog has use for Zenoleum.

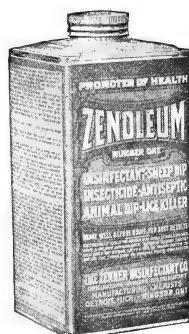
It Kills Lice, Destroys Mites.—Zenoleum is non-poisonous, and is not irritating or inflammable. It is safe.

It Heals Wounds.—There are Forty-eight Experiment Stations in America. Forty-six of these buy, use and endorse Zenoleum. Isn't that proof?

For use about barns and poultry houses, Zenoleum is superior to kerosene, carbolic acid, chloride of lime, or any other crude product. Zenoleum has not the dangerous features of these remedies.

8-oz. can, 25c;
express paid, 35c.

Quart, 50c;
Half-gallon, 90c;
Gallon, \$1.50.



ZENOLEUM LICE POWDER.

To Destroy Vermin on Poultry and Live Stock.

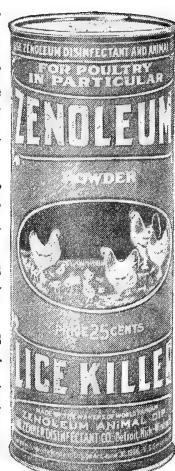
Here is an ideal powder lice killer, especially for use on poultry, but it is equally effective on live stock of all kinds.

It destroys lice on poultry, destroys mites, removes fleas from dogs and lice from horses and cattle.

It can be used for plants and vegetables to destroy bugs.

Zenoleum Lice Powder is packed in a handsome carton and has a sifter top. You will never know how good it is till you try it.

Full pound, 25c;
postpaid, 35c.



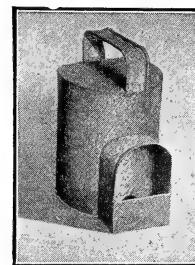
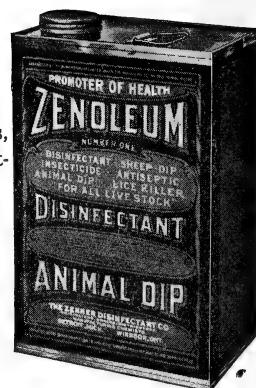
ZENOLEUM

Used in incubators, increases the percentage of hatch.

Small size, 25c;

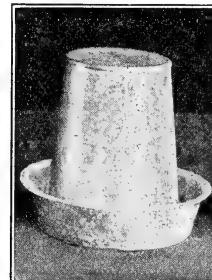
Quarts, 50c;

Gallon, \$1.50.



GALVANIZED IRON WALL FOUNTS

Prices: 1-qt. size, 30c each; \$1.70 for six.
1-gal. size, 50c each; \$2.75 for six. 2-gal. size,
75c each; \$4.25 for six.



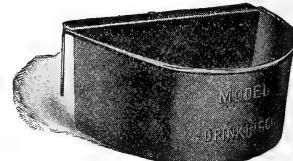
GALVANIZED IRON DRINKING FOUNTS

Prices: Small chick size, 20c each; 90c for six. Medium size for large chicks, 25c each; \$1.25 for six. Large size for mature fowls, 40c each; \$1.90 for six.

CANFIELD DRINKING CUPS.

They are made of sheet iron, heavily enameled, and hold half a pint each.

Price, each, 20c,
postpaid, or \$1.50
per dozen by ex-
press, collect.



Quick Death to Hen Lice and Mites

Hen lice, chicken lice, and mites, cost the poultryman more money than all the other items of poultry expense combined. They are responsible for more disease and more poor egg records than all other causes together. They infest brooders and roosting places, and multiply by tens of thousands a week. But they can be positively exterminated at a mighty small cost compared to the saving.

CONKEY'S INVINCIBLE TRIO—

Lice Powder, Lice Liquid, and Lice Ointment—does the work. Conkey's Lice Powder will kill all body lice. An unequalled disinfectant and a positive germicide, 25c; 50c; \$1.00.

Conkey's Lice Liquid is a positive death dealer to mites and lice. A germicide and preventive. Penetrates crevices where powder will not. Harmless to fowls of any age. Qt., 35c; Gal., \$1.00.

Conkey's Head Lice Ointment is the only positive exterminator on the market for the parasites that pester little chicks and cause them to droop and die. 10c and 25c.

These wonderful remedies sold in quantities to suit purchaser. Complete directions with each package. Used by thousands of poultrymen throughout the United States. Satisfaction guaranteed.

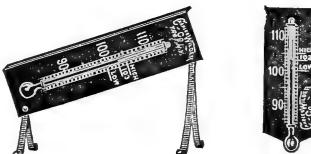
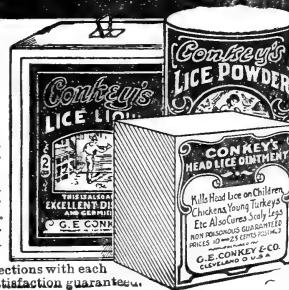
Model Lice Powder.....	10 and 25c size
" Lice Killer	35, 60 and \$1.00 size
" Roup Cure.....	25, 50 and \$1.00 size
" White Diarrhoea...	50c and \$1.00 size
" Poultry Tonic ...	25, 50 and \$1.00 size
" Laying Tonic.....	25, 50 and \$1.00 size
" Laying Tonic, 25-pail.....	\$3.50
" Cholera Remedy	25 and 50c size
" Gape Cure	25 and 50c
" Head Lice Ointment.....	50c size
" Worm Powder	50c size

If you prefer International or Lee's, we carry a full stock, sizes the same as above.

MODEL LICE DUST

This Lice Dust or Powder is especially compounded for this purpose. It is very finely ground, thoroughly mixed, thus insuring the proper proportions of the active ingredients being thoroughly and evenly distributed. It kills the lice.

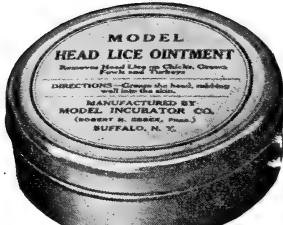
Price: 5-oz. package, 10c; postpaid, 15c. 15-oz. package, 25c; postpaid, 40c.



INCUBATOR THERMOMETER

The most popular patterns.

Price, 75c each.



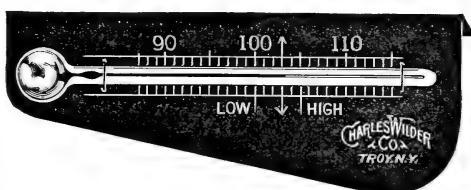
ESSEX-MODEL HEAD LICE OINTMENT

This ointment may be used on the heads of chicks and young turkeys without fear of injury. It is guaranteed to kill the head lice and not drive them to other parts of the body. Especially effective for sore heads—a quite frequent trouble in the South. Prepared in paste form and easily applied with a brush or with the finger.

Put up in a large 3-oz. tin box with full directions for use. Price, 25c per box, postpaid.

BROODER THERMOMETERS

75c each.



MODEL CHICKEN-POX REMEDY

Model Chicken-Pox Remedy is the most effective remedy known.

Price: 25c per package, postpaid.



MODEL ROUP REMEDY

The general symptoms are, first, a froth and bubbles in the corner of the eyes, followed by sneezing, and watery discharge from eyes and nose. This discharge has a foul odor and the disease is readily recognized.

Model Roup Remedy should be used as a preventive in the fall.

This remedy put in the drinking water the first time the birds sneezes will prevent future severe diseases.

The 25c. size package makes 10 gallons of medicine, the 50c size 25 gallons, and the \$1.00 size 75 gallons.

Prices: Small size package, postpaid, each 25c. Medium size package, postpaid, each 50c.

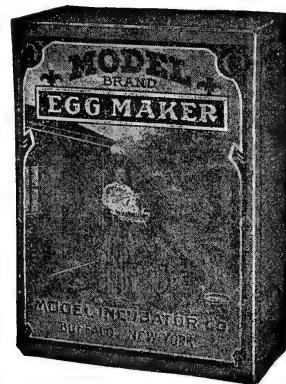


MODEL LICE SPRAY

By using this Spray on the roosts and dropings boards and by supporting the roosts on Essex-Model roost hangers filled with Model Lice Spray, these pests may be kept out of the poultry house.

Model Lice Spray is especially effective for lice, mites and ticks on horses, cattle, sheep and hogs. Full directions are printed on the label of each package.

Prices: 1-qt cans, each 35c; 2-qt. cans, each 60c.



MODEL EGG MAKER

Used in the daily mash it imparts vigor, increases appetite and helps the birds to get the full value of their food by thoroughly digesting it.

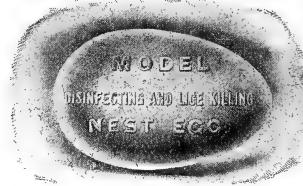
Prices: 42-oz. package by express, at customer's expense, 25c.

MODEL CHOLERA REMEDY

Chicken cholera is much the same as the disease that attacks the human. It usually comes from the drinking of stagnant and foul water; and it can be brought into a flock by a bird already contaminated.

Model Cholera Remedy is given in the drinking water, and one package will make 25 gallons of medicine. It is almost tasteless and has a cooling effect on the hot and inflamed membranes, and quickly reduces the fever throughout the birds' system. It is not only a specific for cholera, but will relieve indigestion, constipation and diarrhoea.

Price: 50c per box, postpaid.



MODEL NAPHTHALENE NEST EGG

This Nest Egg is used, not in reality as a nest egg, but is put into the nest to remove and kill the lice—the same as a camphor ball is packed in clothing to keep out the moths. One of these nest eggs placed in a nest will remove all vermin; or used beneath the nesting material, a setting hen can remain on the nest with comfort.

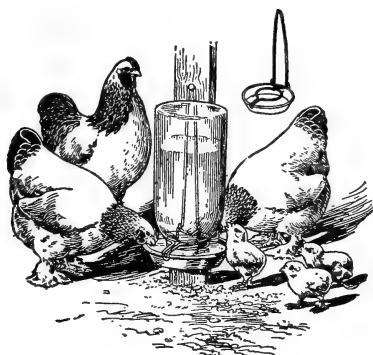
This nest egg retains its disinfecting and lice killing qualities as long as there is anything left.

Price, each, 5c; per dozen, 50c. Post paid, 5c each extra.

We carry Conkey's, Lee's, Lambert's, International and Pratt's Poultry and Stock Foods and Remedies.

SMITH SEALED LEG BANDS

No. 2, 3, 4. Doz., 35c.

**THE "ALL-RITE" FOUNTAINS AND FEEDERS**

Glass fountain, sanitary. Each 25c.

The "All-Rite" is hung up out of the dirt and litter. Chicks cannot possibly foul it, they cannot get into it to get wet, they cannot get any dirt into it. It is simple and automatic in action. It cannot clog.

By express, \$2.00 per doz.

EGG CARTONS

One doz. size. Per doz., 15c; per 100, \$1.00.

**CHAMPION LEG BAND**

Doz., 20c; 50, 40c; 100, 70c.

**LEADER LEG BANDS**

Post paid. Two sizes.

Doz., 20c; per 50, 40c; per 100, 70c.

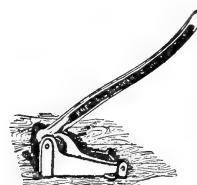
Small size.

Pigeon Band.

**DOUBLE CLINCH LEG BAND**

Three sizes. Post paid.

Doz., 20c; 50 for 40c; 100 for 70c.

**JOHNSON'S GRIT MACHINE**

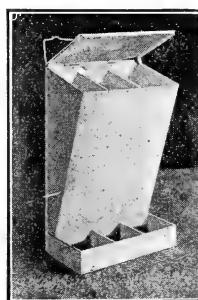
Crushes Rock, Shell or Dishes, \$4.00.

**CLIMAX LEG BAND**

Per doz., 25c; 50, 45c; 100, 80c.

**FLORADORA POWDER GUN**

Price 35c. Postage 5c.

**GALVANIZED IRON GRIT AND SHELL BOXES**

Prices: Small size, 3 compartments, 50c each. Large size, 2 compartments (dry feeding), 75c each.

**PETTY'S POULTRY PUNCH**

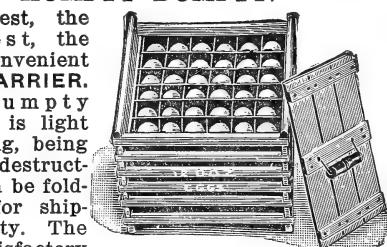
All steel, nickel plated. Punches clean holes.

Will not bruise the foot.

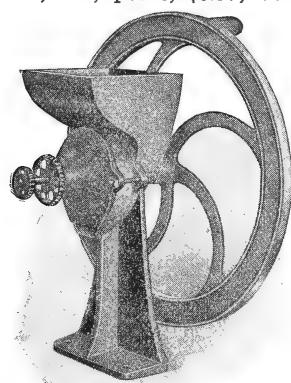
Post paid. 25c.

"HUMPTY DUMPTY."

The best, the cheapest, the most convenient EGG CARRIER. The "Humpty Dumpty" is light but strong, being almost indestructible. Can be folded flat for shipping empty. The most satisfactory egg carrier. Holds 12 dozen.

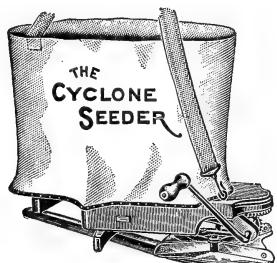


Price, each, 60c; per 6, \$3.30; doz., \$6.00.

**NO. 32 HAND GRINDING MILL**

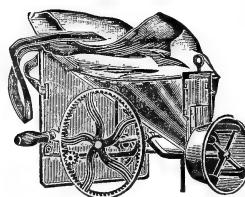
In this mill are embodied all the good features of other hand grinding mills to which have been added universal burrs or grinding plates that are adjustable for grinding oats, barley, rye, corn, peas, dry bone, shell, etc., for feeding to poultry. It is a well designed machine, is strong and well made throughout and of excellent finish; has a 16-inch fly wheel and is light running.

Capacity, 1 or 2 bushels per hour. Price, \$5.00.

**THE CYCLONE SEEDER**

An excellent broadcast sower, compact and well built. Has large sack hopper of heavy duck. Capacity enables operator to sow from forty to sixty acres per day of Clover, Timothy, Alfalfa, Oats, Rye, Wheat, Red Top, Millet, Buckwheat, Turnip or Corn. A machine that will pay for itself the first season, even on a small tract.

Cyclone Seeder, weight 8 lbs.....\$2.00

**THE CAHOON BROADCAST SEEDER**

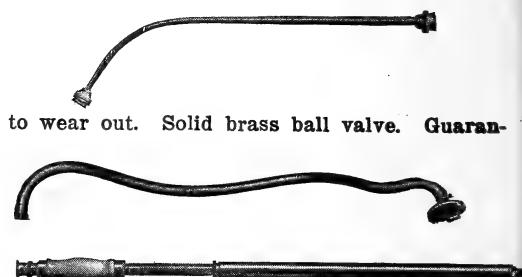
The Cahoon Seed Sower is recognized the world over as the standard broadcast seed sower. This machine has been on the market well over half a century, and during all these years it has stood at the head of its class.

It sows wheat, barley, oats, rye, buckwheat and other grains and grasses five times faster than by hand, and by its even distribution will effect a saving of one-third in the seed.

Cahoon Seed Sower, net weight 9 lbs.; weight in single box, 15 lbs.....\$3.50

THE STANDARD SPRAY PUMP

Simple and effective. No springs or washers



to wear out. Solid brass ball valve. Guarant-



eeded for 5 years. Price \$5.00 with extension rod.

**PERFECT SPRAYER**

For applying poultry spray and Fly Knocker. Sprays up or down.

Price 50c. Express paid, 75c.

**LITTLE GIANT BUCKET PUMP**

Constructed of brass, a material not affected by spray materials. Produces a continuous spray or throws a solid stream fifty feet. Furnished with two brass nozzles, hose and foot rest. Price, \$2.75.



THE "PERFECTION" SPRAYER
The Strongest and Most Powerful Sprayer Made

This is a Sprayer of the high pressure type. It is larger, stronger and much more powerful than anything in its class, and is as near fool proof as it can be made. The barrel is $7\frac{1}{2}$ inches in diameter, 20 inches high. The top is fastened after the style of the best makes of fire extinguishers. The hose is 5-ply cloth inserted. The nozzle is automatic. Capacity of Sprayer, four gallons. Weight $9\frac{1}{2}$ pounds. Tested to 60 pounds before leaving factory. Built of galvanized steel.

The Sprayer will handle whitewash, water, paints, Bordeaux mixtures, etc., perfectly.

Price, \$5.50 each.



COMPRESSED AIR SPRAYER

THE "EASY"

(Patented)

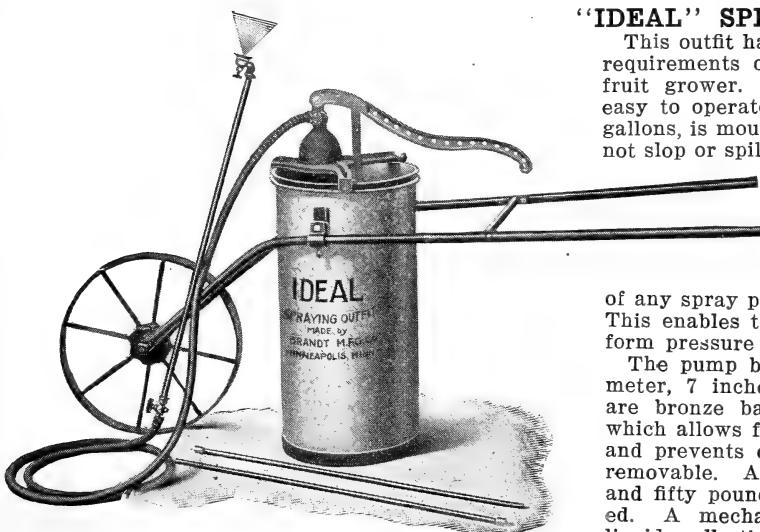
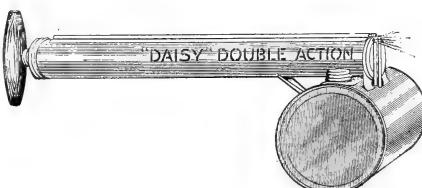
Strong, durable and attractive. Has a large and strong pump, automatic shut-off nozzle, legs under tanks. Can be used for whitewashing, disinfecting and cleaning chicken houses, and is very desirable for large gardens, etc. It is built of galvanized steel or brass as ordered. Holds one gallon. Price, \$2.50.

THE "DAISY" DOUBLE ACTION

(Patented)

Works both ways of strike, giving twice the results with half the work. Will not turn over on its side and allow the liquid to run out. Made in galvanized steel or brass. Holds one quart.

Price, \$1.00.



"IDEAL" SPRAYING OUTFIT

This outfit has been designed to fill the requirements of the small gardener and fruit grower. It is light, compact and easy to operate. The tank holds fifteen gallons, is mounted so that the liquid will not slop or spill, and in a way that makes it easy to handle. The pump spreads across the top of the tank and is held firmly in place by a thumb nut. It has the largest air chamber

of any spray pump of corresponding size. This enables the operator to keep a uniform pressure at the nozzle.

The pump barrel is $1\frac{1}{4}$ inches in diameter, 7 inches in length. The valves are bronze balls $\frac{5}{8}$ inch in diameter which allows free passage for the liquids and prevents clogging. Both valves are removable. A pressure of one hundred and fifty pounds can easily be maintained. A mechanical agitator keeps the liquid well stirred.

The Pump has the following equipment:

Ten feet $\frac{3}{8}$ inch Pressure Hose.

Ten feet Pipe Extension, in three pieces.

Shipping weight, crated, 65 pounds.

One Brass Shut-off Cock.

One Brandt "IDEAL" Nozzle.

Price, \$20.00.

High-Grade Fertilizers

These fertilizers contain in a concentrated form food necessary to grow nutritious farm products in large quantity per acre at lowest possible cost in time, labor and money. They are quick in action. Do not contain weed seeds and are easily applied.

SUPERIOR LAWN FERTILIZER—

QUICK ACTING.

Nev , Fails to Induce a Luxuriant Rich Green Growth in a Few Weeks' Time.

The constant mowing of grass, and removal of clippings also removes a proportion of digested plant food. Therefore if the luxuriance of a lawn is to be maintained, it must be top dressed, at least once a year, with suitable fertilizer. Our Superior Lawn Fertilizer is a clean lawn dressing which never fails in inducing a rapid and rich green growth. It should be sown broadcast in the spring or fall, though it can be put on during the summer without injury or danger of burning the grass, and a remarkable improvement will soon be observed. Should be applied in the evening and thoroughly sprinkled.

Prices, 5 lb. package, 25c; 10 lb. sack, 50c; 25 lb. sack, \$1.25.

BONE MEAL.

Decomposes slowly in the soil and is therefore an excellent permanent improvement. Excellent for top dressing lawns, and grass lands, for garden and field crops, furnishing a strong supply of plant food for a long time.

Price, 100 lbs., \$2.50.

BLOOD AND BONE

Is a quick acting fertilizer, rich in nitrogen and phosphate and for this reason is largely used.

Price, \$2.50 per 100 lbs.

NITRATE OF SODA.

Valuable solely for the nitrogen it contains, and should be used in connection with other fertilizers. It is quick in action and hastens crops to maturity and the effect is almost immediate. It is extremely soluble, the best results being obtained by two or three light applications. 100 to 200 lbs. per acre.

Price, 10 lbs., 50c; 100 lbs., \$3.50.

MURIATE OF POTASH.

Is especially valuable in western Washington and is much used by fruit and berry growers, increasing the yield and quality.

Price, 10 lbs., 50c; 100 lbs., \$3.50.

SHEEP GUANO.

Pure pulverized sheep manure is the most nutritious of the animal fertilizers. Immediate and lasting in effect. It is excellent for mixing with the soil for greenhouse purposes as well as garden and promotes a rapid and steady growth.

Price, per sack, \$1.50; ton, \$25.00.

Spraying Materials

Liquids cannot be mailed. Solids, 16c lb. extra for postage.

Arsenate of Lead. For codling moth, twig borers, young caterpillars, bud moth, pear and cherry slug, potato beetle. 1 lb., can, 35c; 2 lb., 60c; 5 lbs., \$1.00.

Bordeaux Mixture. For beetles, cutworms, tree borers, grasshoppers, potato blight.

1 qt., 60c; 1 gal., \$1.50.

Fly Knocker. Pays for itself by the increase of the flow of milk. Keeps flies from irritating the horses and cattle. Conkey's, 1 qt., 50c; 1 gal., \$1.25.

Standard Fly Knocker. 1 gal. can, \$1.00.

Fir Tree Soap. For aphis and all plant lice. 1 lb. bars, 15c.

Grafting Wax. ½ lb., 20c; 1 lb., 35c.

Hammond's Slug Shot. For destroying slugs, cabbage worms and cut worms. 1 lb., 15c; 5 lbs., 50c.

Knoxweed. Kills dandelions. 50c can.

Lime and Sulphur. Used for apple cankers, scale insect eggs, green aphis, red spiders, woolley aphis, eggs of tent caterpillars, bud moth, twig borers and mildew. 1 qt., 25c; 1 gal., 50c; 5 gals., \$2.00; bbl., \$11.00.

Nico Fume, liquid. Best spray for greenhouses, kills aphis, red spiders, mealy lug, etc. ¼ pt. can, 50c; 1 pt., \$1.50; ½ gal., \$5.00; 1 gal., \$10.50.

Nico Fume, tobacco paper. Used for fumigating. 24 sheets, 75c; 144 sheets, \$3.50.

Quassi Chips. For destruction of plant lice on cabbage, cauliflower and fruit trees. 1 lb., 10c; 10 lbs., 75c.

Sulpho Tobacco Soap. To exterminate insects. 10c cake.

Tobacco Stems. For fumigating. 10 lbs., 50c; 100 lbs., \$3.00.

Tobacco Dust. Used to destroy insects where fumes cannot be confined. 1 lb., 10c; 10 lbs., 75c; 100 lbs., \$5.00.

Whale Oil Soap. For green aphis, etc. 1 lb., 10c; 25 lbs., \$2.00.

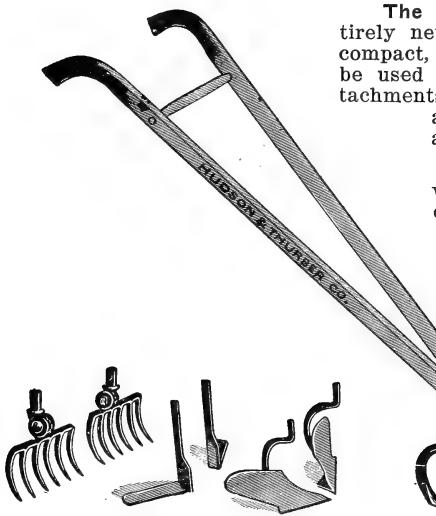
Spraying Calendar

There is no spraying that will cure everything. Use the ones that fit your case.

When to Spray.	What to Use.	What to Spray For.
FALL Just after the leaves fall. Especially for western Washington.	1. Sulphur-lime.	Apple cankers. Scale insects Eggs of green aphis and red spider. Pear leaf blister mite. Woolly aphis. Eggs of tent caterpillar. Moss and lichens. Rabbits and field mice.
LATE WINTER While buds are swelling. Usual spraying in eastern Washington.	2. Sulphur-lime.	Bud moth; twig borer; peach leaf curl. Scale insects. Eggs of green aphis and red spider. Pear leaf blister mite. Woolly aphis. Rabbits and field mice. Mildew.
SPRING (1) When flower buds are ready to open.	3. Sulphur-lime.	Apple scab. New York apple canker. Prune brown rot and fruit mold.
(2) While last blossoms are falling.	4. Lead arsenate 1 lb. to 50 gal. 5. Sulphur-lime.	Codling moth. Bud moth; twig borer. Young caterpillars. Apple scab. New York apple canker.
SUMMER When pest appears.	6. Tobacco (or kerosene emulsion). 7. Lead arsenate. 8. Sulphur-lime. As a strong wash. 9. Bordeaux.	Aphis (cherry aphis, etc.) Woolly aphis on branches. Red spider. Oyster shell bark louse. Leaf hopper. Pear and cherry slug. Caterpillars. Colorado potato beetle. Fruit spot (Baldwin spot; punk rot.) Mildew. Red spider; young of oyster shell bark louse. Trunk borer; flat-head borer. Flea beetles. Cutworms. Grasshoppers. Potato blight.

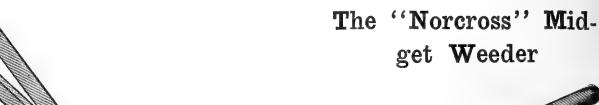
Spray Often and Thoroughly

NO. 46 SINGLE WHEEL GARDEN CULTIVATOR



The "No. 46" Single Wheel Garden Cultivator has an entirely new arrangement of frame, which is strong, neat and compact, and with the aid of the different attachments it can be used for hilling, furrowing and covering. The hilling attachments or weed cutters can be arranged to hoe in or out and to or from the plants, and can be set at any angle desired. Wheel and handles are adjustable.

No. 46, Single Wheel, with five reversible points, weed cutters, right and left hand plows and rakes, each, \$5.50.



The "Norcross" Midget Weeder
Has 9-Inch Handle.
Weighs only 14 Ounces.

This little Weeder is constructed along the same lines as the above Cultivator. It is designed for use in flowers, small shrubbery, etc., or in small vegetables where a long handle larger tool is less practical.

Midget (three prongs), each, 50c.

NO. 48 DOUBLE WHEEL GARDEN CULTIVATOR

Our "No. 48" Double Wheel Garden Cultivator is superior to anything of the kind yet placed on the market. It has a new device for expanding and closing, which permits the operator to set the machine instantly to any desired width. It is furnished with various attachments used for harrowing, furrowing and covering.

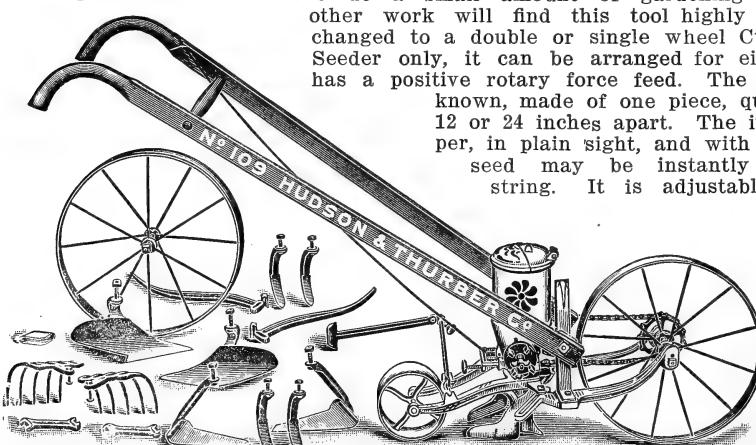
No. 48, Double Wheel, with 6 reversible points, weed cutters, right and left hand plows, leaf guards and rakes, each, \$7.40.

Same as No. 46
except having
Two Wheels

NO. 109 COMBINATION GARDEN SEEDER

This cut shows our No. 109 Combination Garden Seeder and Cultivator, with complete equipment. Farmers who do a small amount of gardening in connection with their other work will find this tool highly satisfactory. It can be changed to a double or single wheel Cultivator, as desired.

As a Seeder only, it can be arranged for either hill or drill work. It has a positive rotary force feed. The Hill spacer is the simplest known, made of one piece, quickly set for hills, 4, 6, 8, 12 or 24 inches apart. The index is at the rear of hopper, in plain sight, and with plain letters. The flow of seed may be instantly stopped by pulling a string. It is adjustable for depths up to two inches.



The entire machine is of steel and malleable iron. Handles of oak, bent pattern, adjustable to suit height of person using it. Wheels are wire pattern, 16 inches diameter, strong and serviceable.

Weight, 55 lbs. Price each, complete, as shown, \$15.50.

**FIELD SEEDS**

Prices Are Subject to Change

FLAX SEED

We have a splendid lot of selected recleaned Western-grown Flax, new crop, large plump seed. Per lb., postpaid, 25c; 100 lbs., \$8.50.

FIELD PEAS

Sow, if alone, 120 pounds to the acre; if with other grains, 60 pounds. Per lb., postpaid, 15c; 100 lbs., market price.

MILLETS

Sow in April, May or June, 12 to 15 pounds for seed or 20 to 30 pounds for hay per acre.

GERMAN, or GOLDEN

Per lb., postpaid, 20c; 100 lbs., \$4.50.

HUNGARIAN

Per lb., postpaid, 20c; 100 lbs., \$4.75.

OATS**DANISH GIANT**

This oat is planted extensively throughout the Northwest. Is well and favorably known, being a good yielder, and the Oats are large and plump. Price, postpaid, 1 lb., 20c; freight or express, 100 lbs., \$3.00.

WHITE SEED OATS

We always try to have a selected re-cleaned stock of No. 1 White Seed Oats which we can supply at market price. Write for samples and prices on the quantity you require, or send in your order. You will always get full value for money sent. Price, postpaid, 1 lb., 20c; 4 lbs., 60c. Freight or express, bushel, 75c; 100 lbs., \$2.00.

RYE, FOR SEED

Planted extensively in both spring and fall. Per lb., postpaid, 5c; 100 lbs., \$2.35.

SEED WHEAT

When ready to buy any variety of Seed Wheat write us for quotation on quantity wanted or send in your order. We will give full value at lowest market price.

SPRING VETCH

Common Vetch is best adapted to conditions west of the Cascades and should be sown in the fall with winter oats, wheat or rye for support. It may also be sown in spring. 10 lbs., 75c; 100 lbs., \$5.50.

WINTER VETCH

Hairy Vetch is best suited to conditions east of the mountains and can be sown either in fall or spring. 10 lbs., \$1.40; 100 lbs., \$12.50.

BUCKWHEAT

Prices are subject to change.

Common. Per lb., postpaid, 15c; 100 lbs., \$3.75.

COW PEAS

Sow two bushels per acre. Per lb., postpaid, 20c; by freight or express, 10 lbs., 85c; 100 lbs., \$6.25.

COMMON BARLEY

We always aim to have a nice, clean stock of good Seed Barley on hand at all times. Per lb., postpaid, 15c; 100 lbs., market price.

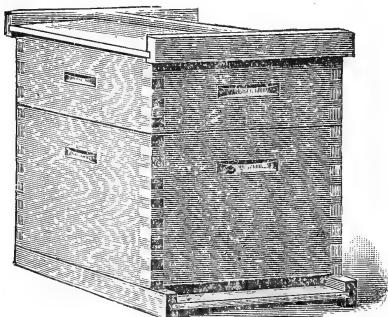
RAPE, DWARF ESSEX

True Pure Seed

Use four pounds per acre in drills, eight pounds broadcast. Price, postpaid, lb., 25c; 10 lbs., \$1.10; 100 lbs., \$9.50.

**A. I. ROOTS' BEE KEEPER'S SUPPLIES
HIVES.**

	5-in. Nailed.	flat	
1 story, 8 frames, without starters....	\$2.05	\$8.00	
1 story, 10 frames, without starters..	2.15	8.50	
1 story, 8 frames, with starters.....	2.15	8.25	
1 story, 10 frames, with starters.....	2.50	9.00	
1½ story, 8 frames, without sections and starters	2.75	10.75	
1½ story, 10 frames, without sec- tions and starters	2.90	11.50	



Supers, 8 frames, without sections or starters .....	.70	2.80	
Supers, 10 frames, without sections and starters .....	.75	3.10	
Supers, 9 frames, with section and starter	1.00	3.90	

**20TH CENTURY POULTRY
FEEDER AND EXERCISER**

A labor-saving device.

The hopper is rain-proof, the bottom is fitted with adjustable valves. The bait rod is pivoted. When the chickens pick the the bait they feed themselves. They get just the proper amount of food and exercise.

8 quarts \$2.50, 12 quarts \$3.00, 18 quarts, \$3.50.

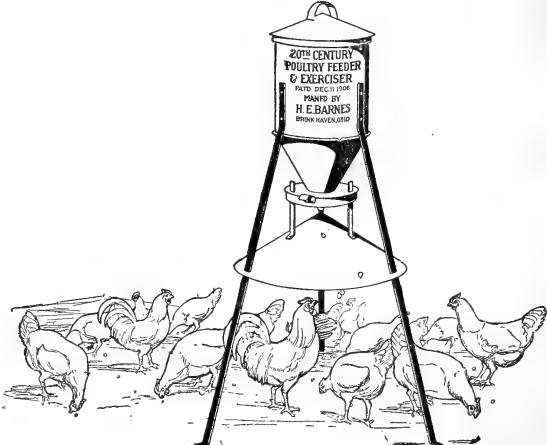
Covers, 8 frame, Excelsior.....	.50	1.95
Covers, 10 frame, Excelsior.....	.55	2.10
Bottoms, 8 frame, Excelsior.....	.40	1.40
Bottoms, 10 frame, Excelsior.....	.45	1.50
Sections—Honey Boxes, No. 1, per 100.....	\$.70	
" " " " " 500.....	3.10	
" " " " " 1000.....	6.00	
Hoffman Frames, 10 for.....	.35	
" " " " " per 100	3.25	
Hoffman Frames, Shallow Extracting, 10.....	.30	
" " " " " per 100....	2.50	
Section Holders, 1½x1⅓x18½.....	2.50	
Slotted Sawed Separators.....	1.25	
Comb Foundation—Medium Brood, per lb	.65	
" Thin Surplus, per lb.....	.70	

Each.

Parker's Machine for Testing Starters....	.35	
" " " by mail .....	.50	
Wood-bound Zinc Boards .....	.35	
Cornell Smokers—Standard, 3¼ in.....	1.00	
" " " Postage....	.25	
" " " Junior, 2½ in.....	1.00	
" " " Postage....	.25	
Bingham Smokers—Conqueror	1.10	
" " " Postage....	.25	
" " " Large	1.00	
" " " Postage....	.25	

Bee Veils—

Mosquito Bar .....	.30	
Cotton with silk face.....	.60	
Globe Veils	1.00	
Gloves—Rubber	1.25	
" " " by mail	1.35	
" " " Cotton, long sleeves, by mail.....	.40	


TO THE LADY OF THE HOUSE:

Please mail us five names of those who use Seeds, Bulbs and Plants, and we will mail you free an American Gladiolus. See page 49.



International Stock Food and Remedies

THREE FEEDS FOR ONE CENT

International Stock Food is the quickest grower and fatterer ever discovered. It stimulates and permanently strengthens the entire system. Gives perfect digestion and rapid assimilation. Paying results guaranteed for Horses, Cattle, Sheep, Hogs, Goats, Calves, Colts, Lambs and Pigs.

International Stock Food fattens stock in thirty days less time. Saves corn or oats. Increases the quantity of milk 15 to 25 per cent. Cures or prevents disease.

Stock Tonic.....25, 50c and \$1.00 size
" " 25-lb. pail\$3.50

Heave Remedy	1.00
Hoof Remedy	1.00
Silver Pine Healing.....	.50
Honey Tar Food Remedy.....	.50
Gopher Poison .....	.50
Creosote Antiseptic, best disinfectant Remedy	

Bug and Moth Killer.....	.50
Ant Chaser.....	25 and 50c

Conkey's Fly Knocker will give your cows and horses rest and save you time and worry.
Qt., 35c; $\frac{1}{2}$ gal., 60c; gal., \$1.00.

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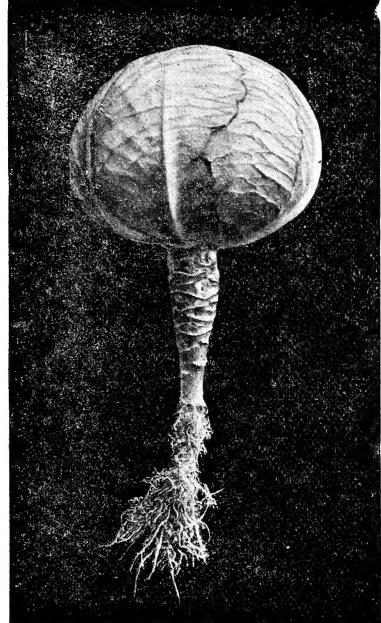
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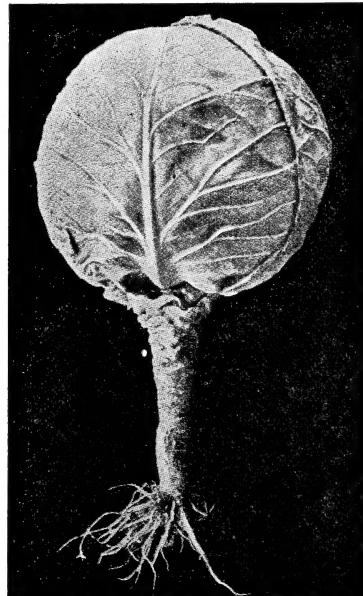
SPECIAL SELECTED STRAIN.



Danish Baldhead Amaga.

**DANISH
BALDHEAD
AMAGA**

Pkt 15c, oz. 40c



Danish Summer Baldhead.

**DANISH
SUMMER
BALDHEAD**

Pkt 15c, oz 40c

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Quantity of Seed Required

	Quantity per Acre.
Alfalfa	8 to 15 lbs.
Alsyke	6 to 10 lbs.
Artichoke, 1 oz. to 500 plants.....	6 oz.
Asparagus, 1 oz. to 500 plants.....	1 lb.
Barley	100 lbs.
Beans, Dwarf, 1 lb to 100 feet of drill...	50 lbs.
Beans, Tall, 1 lb. to 150 hills.....	25 lbs.
Beet, Garden, 1 oz. to 50 feet of drill....	5 lbs.
Beet, Sugar, 1 oz. to 50 feet of drill....	5 lbs.
Beet, Mangel Wurzel, 1 oz. to 50 feet of drill	5 lbs.
Broccoli, 1 oz. to 2000 plants.....	4 oz.
Brussels Sprouts, 1 oz. to 2000 plants....	4 oz.
Broom Corn	12 lbs.
Buckwheat	45 lbs.
Cabbage, 1 oz. for 1500 plants.....	½ lb.
Carrot, 1 oz. to 125 feet of drill.....	3 lbs.
Cauliflower, 1 oz. to 2000 plants.....	3 oz.
Celery, 1 oz. to 5000 plants.....	1 lb.
Cheat	100 lbs.
Chicory, 1 oz. to 100 feet of drill.....	4 lbs.
Clover, White and Alsyke.....	6 to 10 lbs.
Clover, White, for Lawns.....	25 to 100 lbs.
Clover, Red, Mammoth and Crim- son	12 to 20 lbs.
Collards, 1 oz. to 2000 plants.....	4 oz.
Corn, Sweet, 1 lb. to 200 hills.....	15 lbs.
Corn, Field	12 to 20 lbs.
Corn, Fodder	125 lbs.
Corn, Pop	8 to 10 lbs.
Corn Wheat	125 lbs.
Cress, 1 lb. to 100 feet of drill.....	
Cucumber, 1 oz. to 60 hills.....	2 to 3 lbs.
Egg Plant, 1 oz. to 2000 plants.....	4 oz.
Endive, 1 oz. to 100 feet of drill.....	
Flax, for seed 30 lbs. to acre; for fiber... 50 lbs.	
Grass, Lawn, 1 lb. to 300 square feet....	145 lbs.
Grass, Kentucky Blue, Canadian Blue....	20 lbs.
Timothy	25 lbs.
Rye Grass, Oat Grass, Fescue Grasses 30 lbs.	
Orchard Grass	40 to 60 lbs.
Hemp	40 to 50 lbs.
Horse Radish Roots.....	15000 to 20000
Kale, 1 oz. to 150 feet of drill.....	1 lb.
Kale, Thousand Headed.....	1 lb.
Kohlrabi, 1 oz. to 150 feet of drill.....	2 lbs.
Kaffir Corn	6 to 8 lbs.
Leek, 1 oz. to 100 feet of drill.....	4 lbs.
Lettuce, 1 oz. to 150 feet of drill.....	3 lbs.
Melon, Musk, 1 oz. to 60 hills.....	2 to 3 lbs.
Melon, Water, 1 oz. to 30 hills.....	3 to 4 lbs.
Millet	30 lbs.
Nasturtium, 1 oz. to 50 feet of drill.....	15 lbs.
Oats	75 lbs.
Okra, 1 oz. to 100 feet of drill.....	8 lbs.
Onion, 1 oz. to 250 feet of drill.....	5 lbs.
Onion, for sets	30 to 80 lbs.
Onion Sets, 1 lb. to 75 feet of drill.....	400 lbs.
Parsley, 1 oz. to 300 feet of drill.....	3 lbs.
Parsnip, 1 oz. to 200 feet of drill.....	6 lbs.
Peas, Garden, 1 lb. to 50 feet of drill....	200 lbs.
Peas, Field	150 lbs.
Pepper, 1 oz. to 1000 plants.....	
Potatoes	400 lbs.
Pumpkin, 1 oz. to 30 hills.....	3 to 4 lbs.
Radish, 1 oz. to 100 feet of drill.....	10 lbs.
Rape, Dwarf Essex.....	5 to 10 lbs.
Rutabaga, 1 oz. to 150 feet of drill.....	2 lbs.
Rye	90 to 120 lbs.
Salsify, 1 oz. to 50 feet of drill.....	8 lbs.
Speltz	100 lbs.
Spinach, 1 oz. to 100 feet of drill.....	8 lbs.
Spurry	15 lbs.
Squash, Summer, 1 oz. to 25 hills.....	3 lbs.
Squash, Winter, 1 oz. to 12 hills.....	4 lbs.
Sugar Cane	10 lbs.
Sunflower	8 lbs.
Tobacco, 1 oz. to 10000 plants.....	3 oz.
Tomato, 1 oz. to 2000 plants.....	4 oz.
Turnip, 1 oz. to 150 feet of drill.....	3 lbs.
Vetches, Spring	60 to 90 lbs.
Vetches, Winter	30 to 60 lbs.
Wheat	90 to 120 lbs.

Usual Distances for Planting

Beans, Bush, drills 2 to 3 feet apart.
Beans, Pole, 3 to 4 feet each way.
Beets, Early, drills 12 to 18 inches apart.
Beets, Late, drills 2 to 3 feet apart.
Blackberries, erect growing, 6 to 9 by 4 feet.
Blackberries, Mammoth and Himalaya, 8 by 24 ft.
Cabbage, Early, 16 by 30 inches.
Cabbage, Late, 24 by 30 inches.
Carrots, drills 1 to 2 feet apart.
Corn, Sweet, 3 to 3½ feet by 9 to 24 inches.
Corn, Field, 3½ to 4 feet each way.
Cucumber, 4 to 5 feet each way.
Currants, 5 by 3 feet.
Egg Plant, 3 by 3 feet.
Lettuce, drills 18 inches apart.
Melon, Musk, 5 to 6 feet each way.
Celery, rows 3 to 4 feet 6 inches in row.
Cherry Trees, 15 to 20 ft each way.
Cauliflower, 2 by 2 to 2 by 3 feet.
Apple Trees, 20 to 30 feet each way.
Asparagus, 3 to 4 by 2 feet.
Gooseberries, 5 by 3 feet.
Grapes, 8 by 8 to 10 by 12 feet.

Melon, Water, 7 to 8 feet each way.
Onions, drills 14 to 20 inches apart.
Parsnip, drills 18 to 36 inches apart.
Peach Trees, standard, 20 to 25 feet each way.
Pear Trees, dwarf, 12 to 15 feet each way.
Pear Trees, dwarf, 12 to 15 feet each way.
Peas, drills 2 to 3 feet apart.
Pepper, 15 to 18 inches by 2 to 2½ feet.
Plum Trees, 15 to 20 feet each way.
Potatoes, 12 to 18 inches by 2½ to 3 feet.
Pumpkin, 8 to 10 feet each way.
Quince Trees, 15 feet each way.
Radish, drills 10 to 18 inches apart.
Raspberries, 6 to 8 by 3 feet.
Rhubarb, 2 to 4 feet by 4 feet.
Salsify, drills 18 to 24 inches apart.
Spinach, drills 12 to 18 inches apart.
Squash, Bush, 3 to 4 feet by 4 feet.
Squash, Running, 12 feet each way.
Strawberries, Hills, 36 by 18 inches.
Strawberries, Matted Rows, 48 by 12 inches.
Sweet Potatoes, 2 feet by 3 to 4 feet.
Tomato, 4 feet by 4 to 5 feet.


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89 PIKE STREET
SEATTLE

